

FIG.1

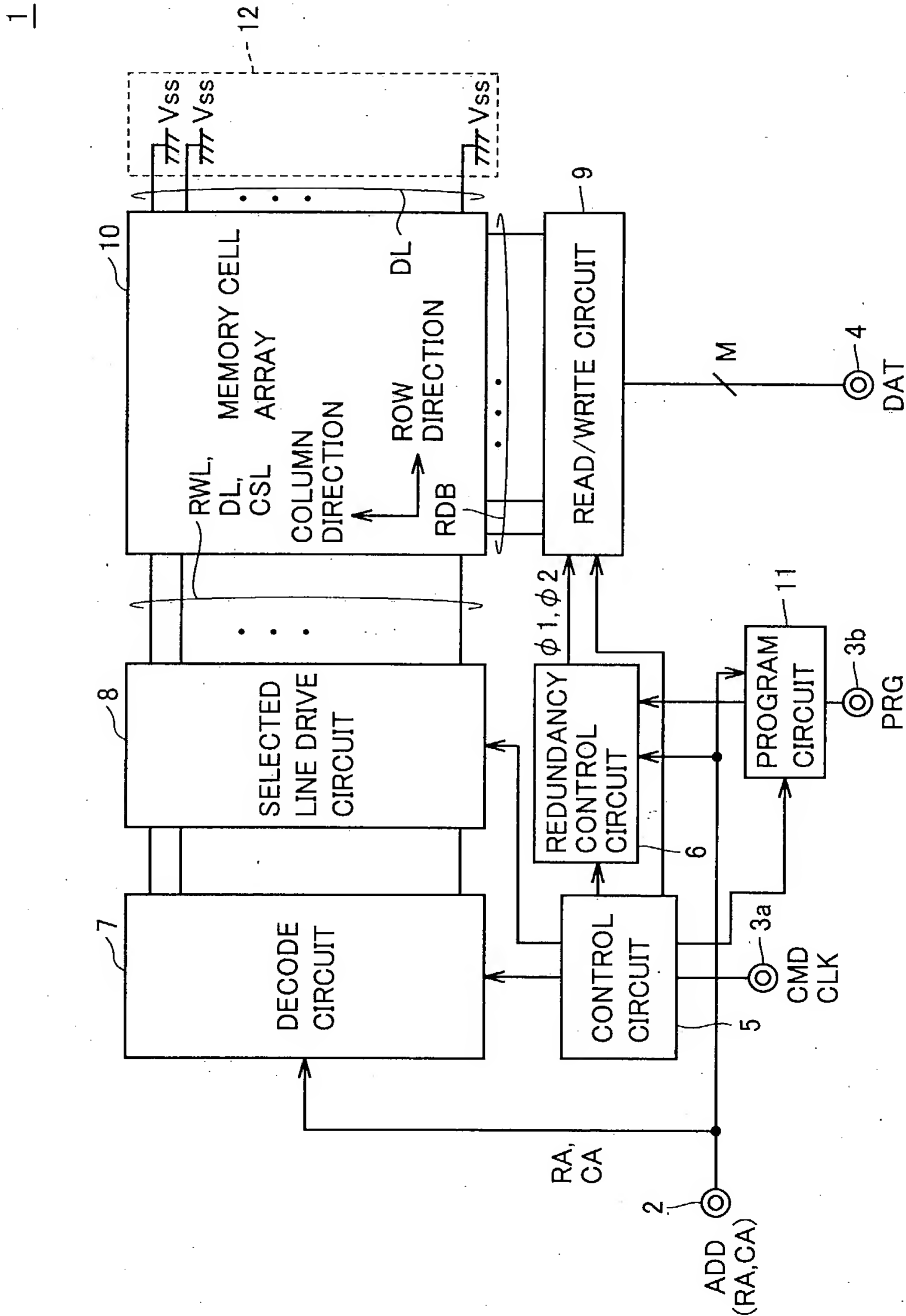


FIG.2

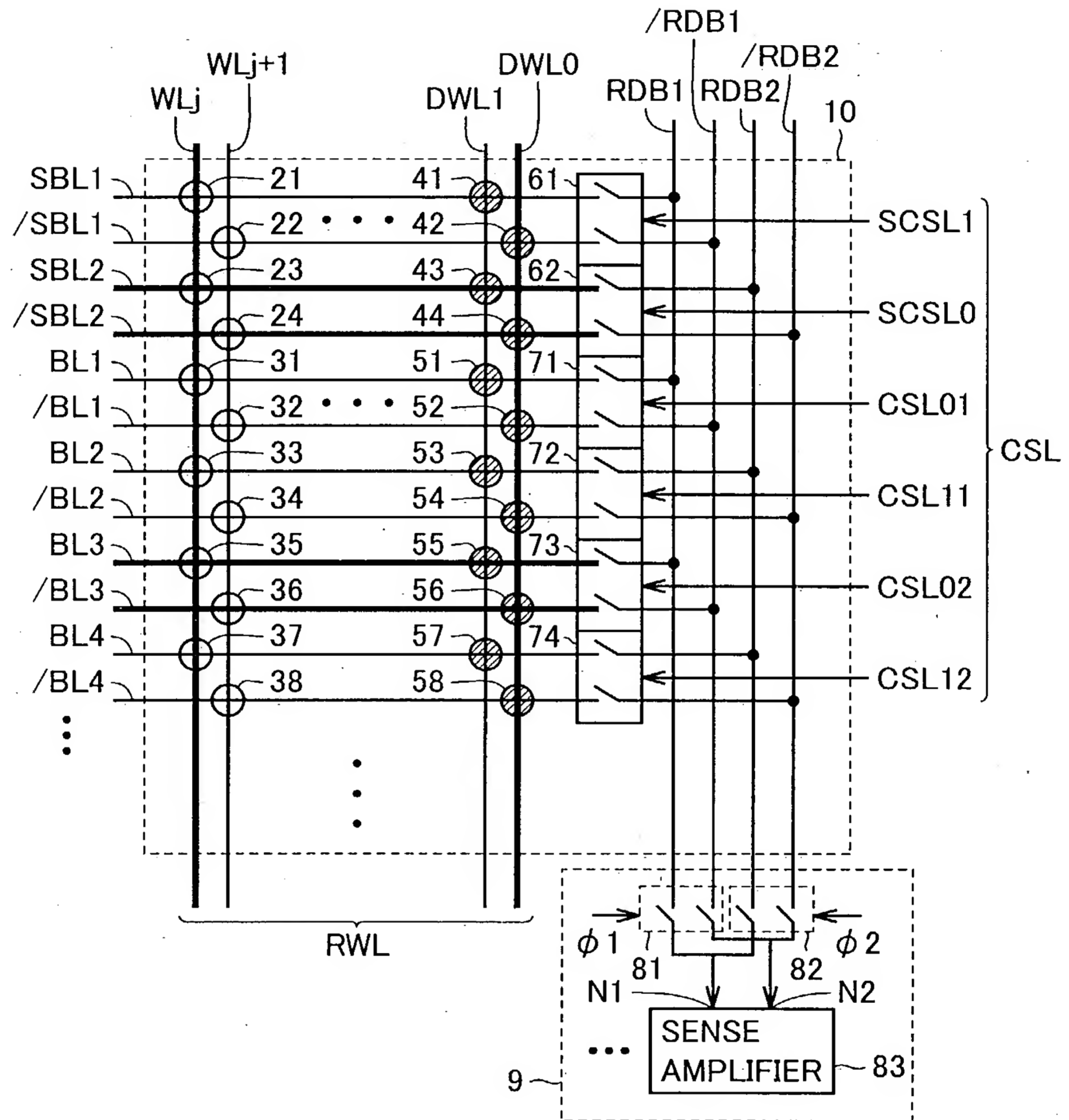


FIG.3

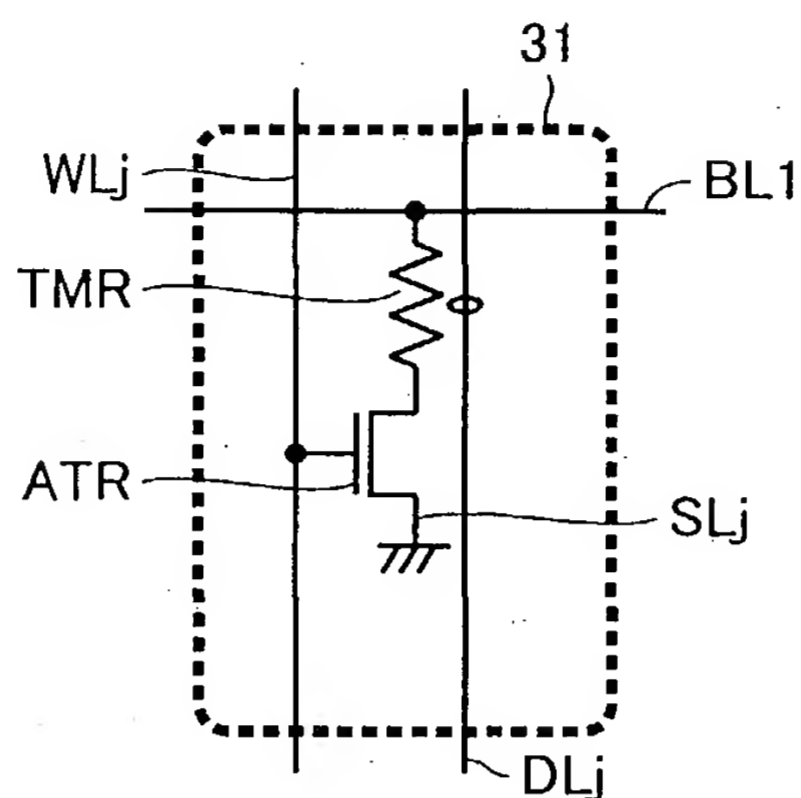


FIG.4

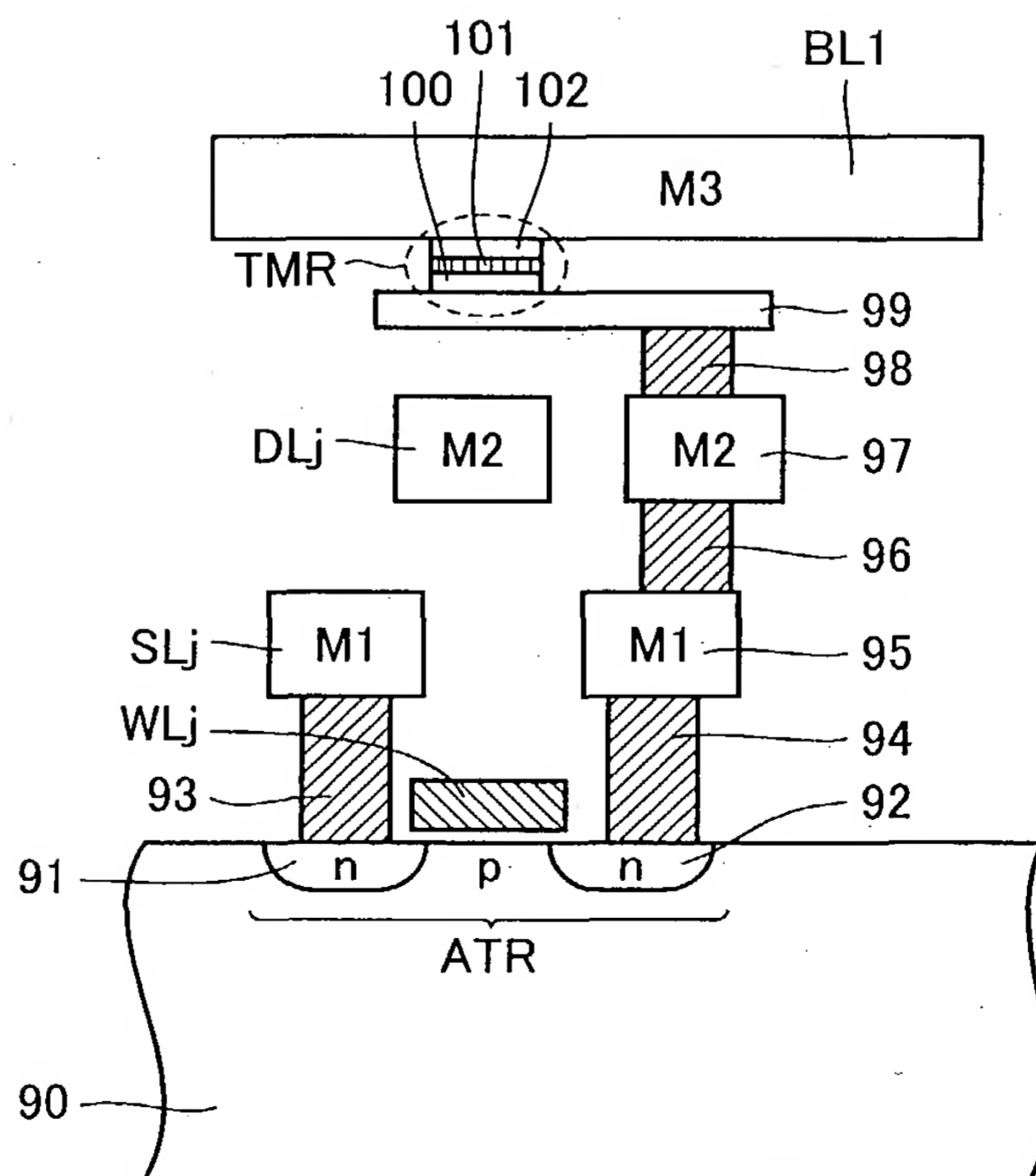


FIG.5

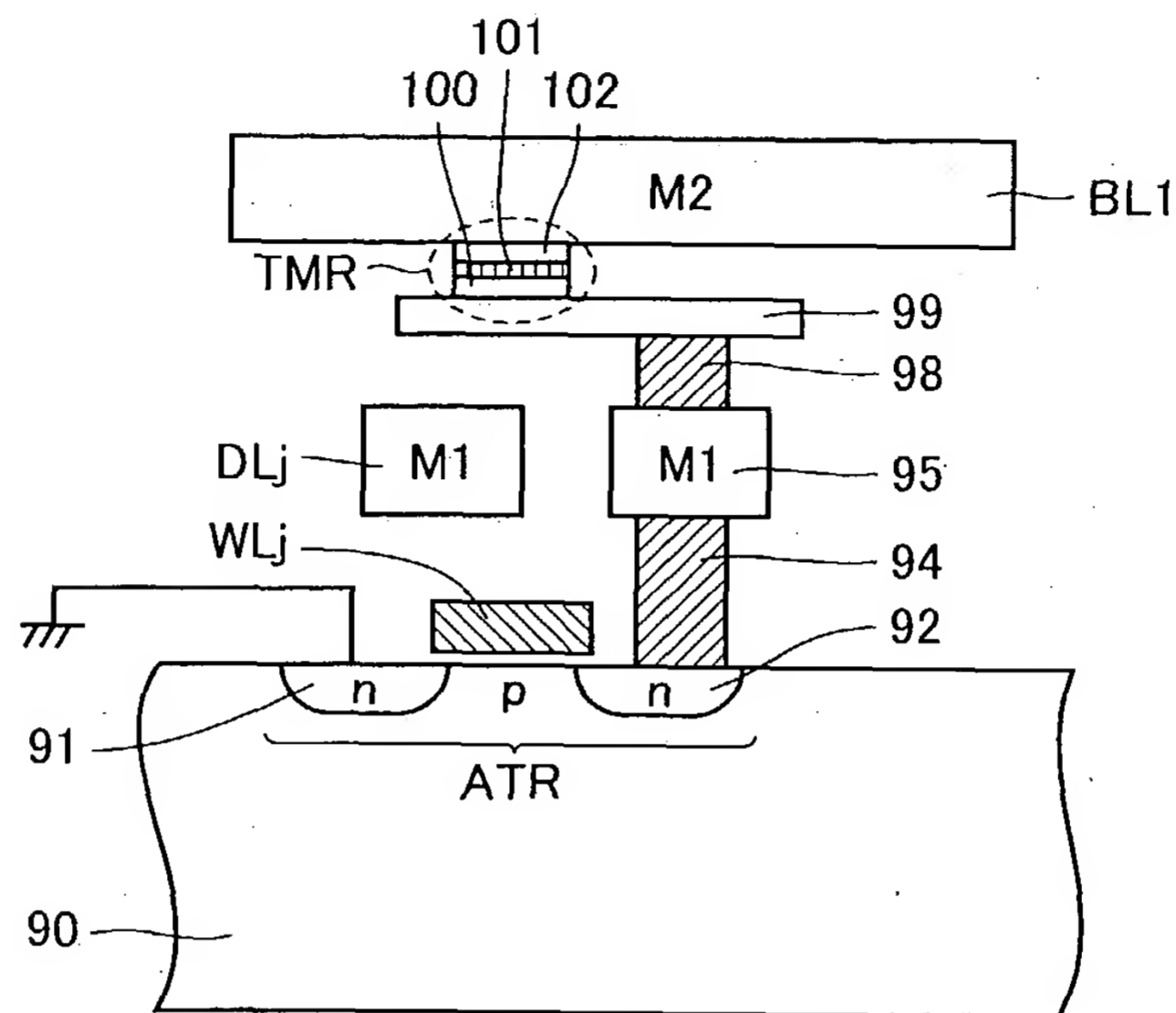


FIG.6

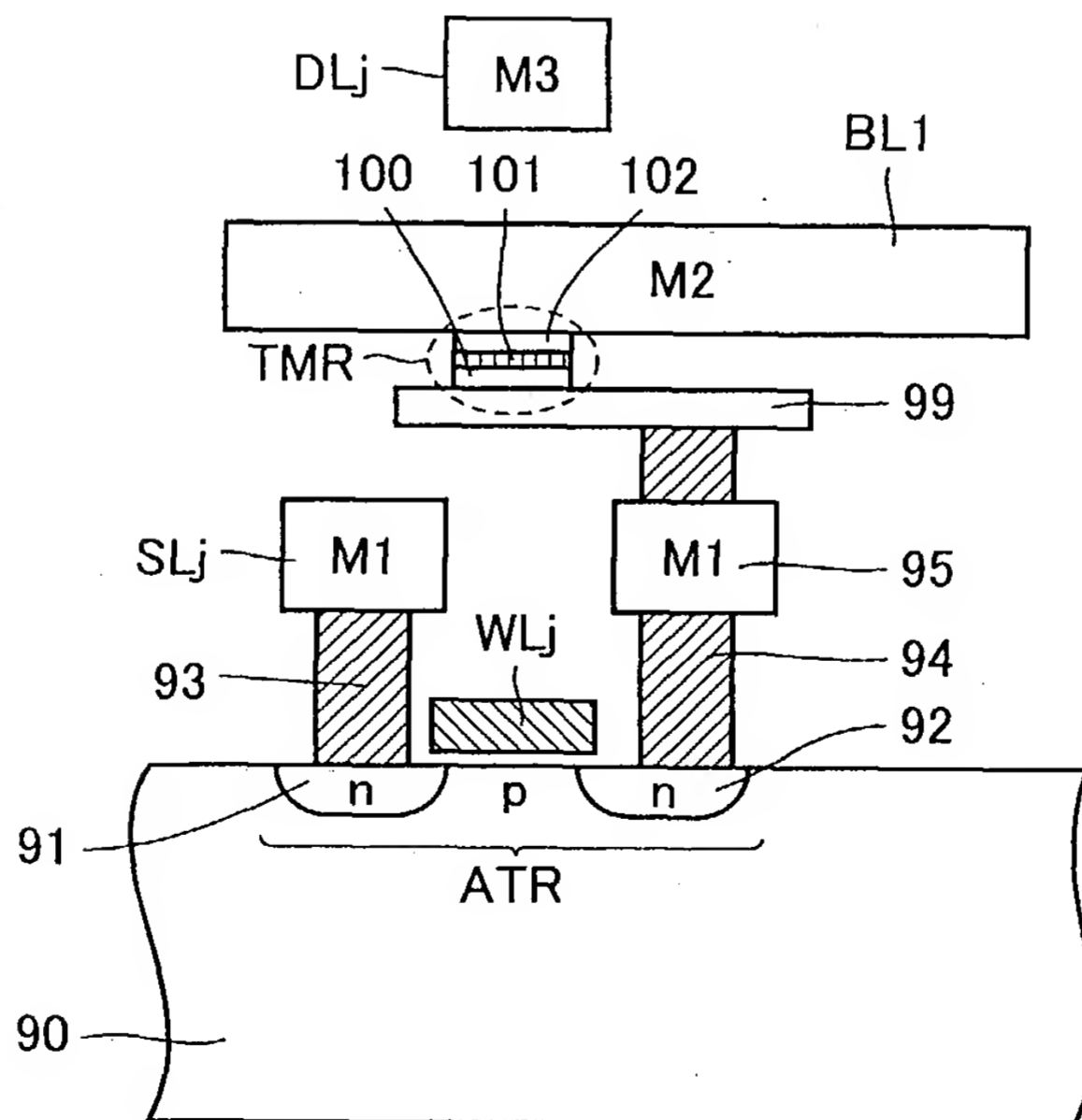


FIG.7

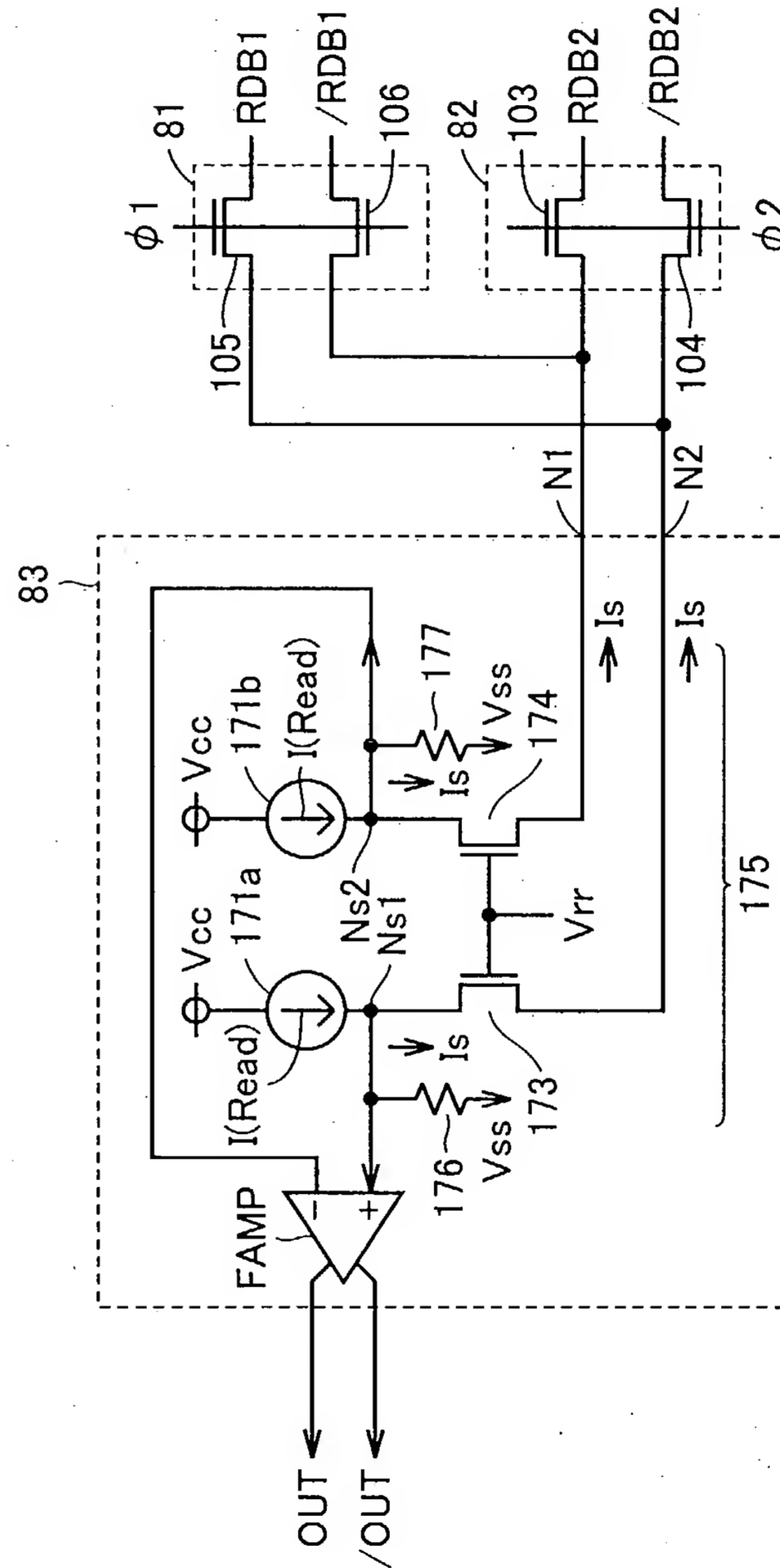


FIG.8

SELECTED COLUMN	USED DATA BUS	SELECTED SPARE COLUMN	USED DATA BUS	SPARE/NORMAL
CSL01 CSL02	RDB1, /RDB1	SCSL0	RDB2, /RDB2	φ 1:NORMAL SELECTION φ 2:SPARE SELECTION
CSL11 CSL12	RDB2, /RDB2	SCSL1	RDB1, /RDB1	φ 1:SPARE SELECTION φ 2:NORMAL SELECTION

FIG.9

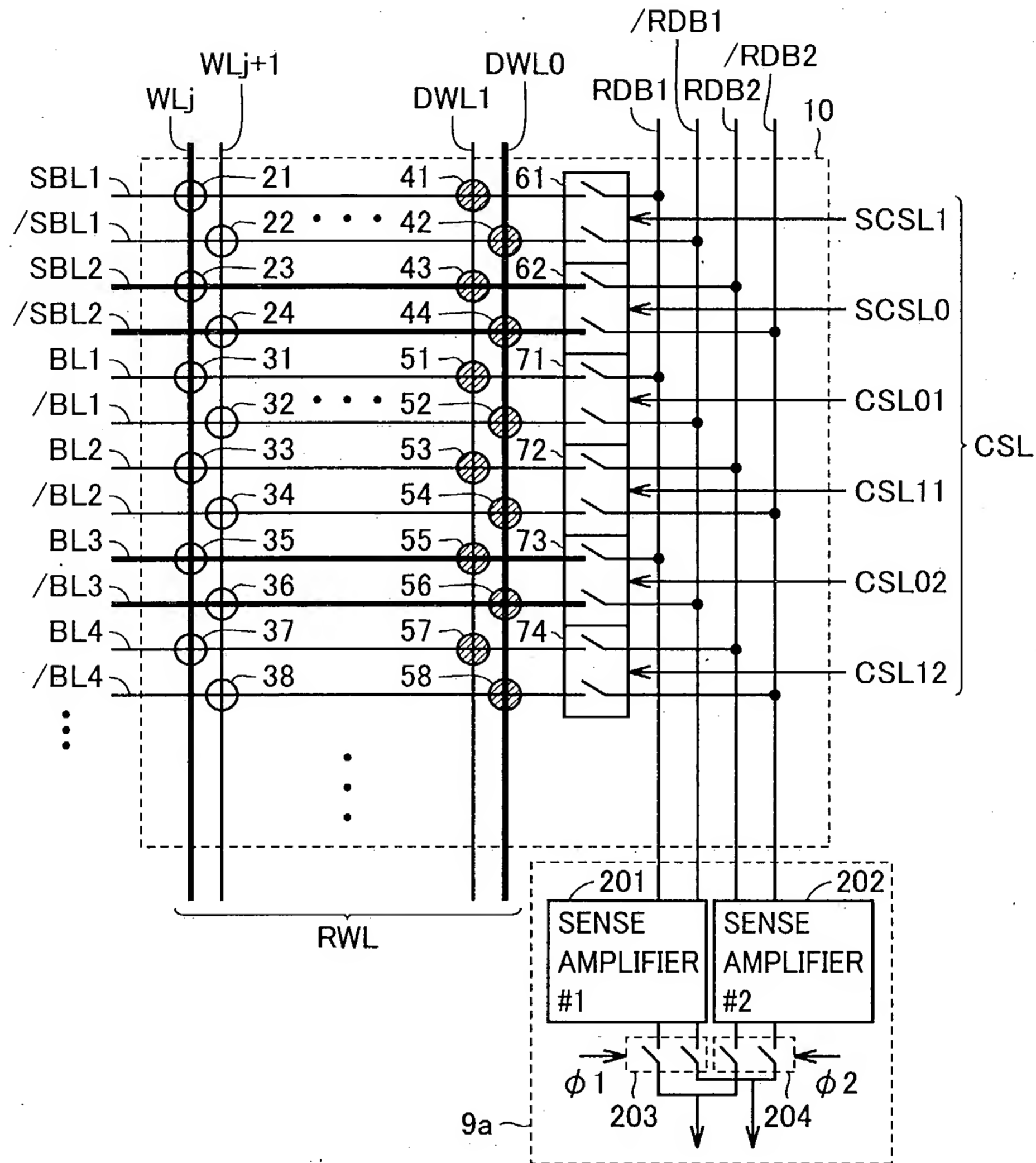


FIG.10

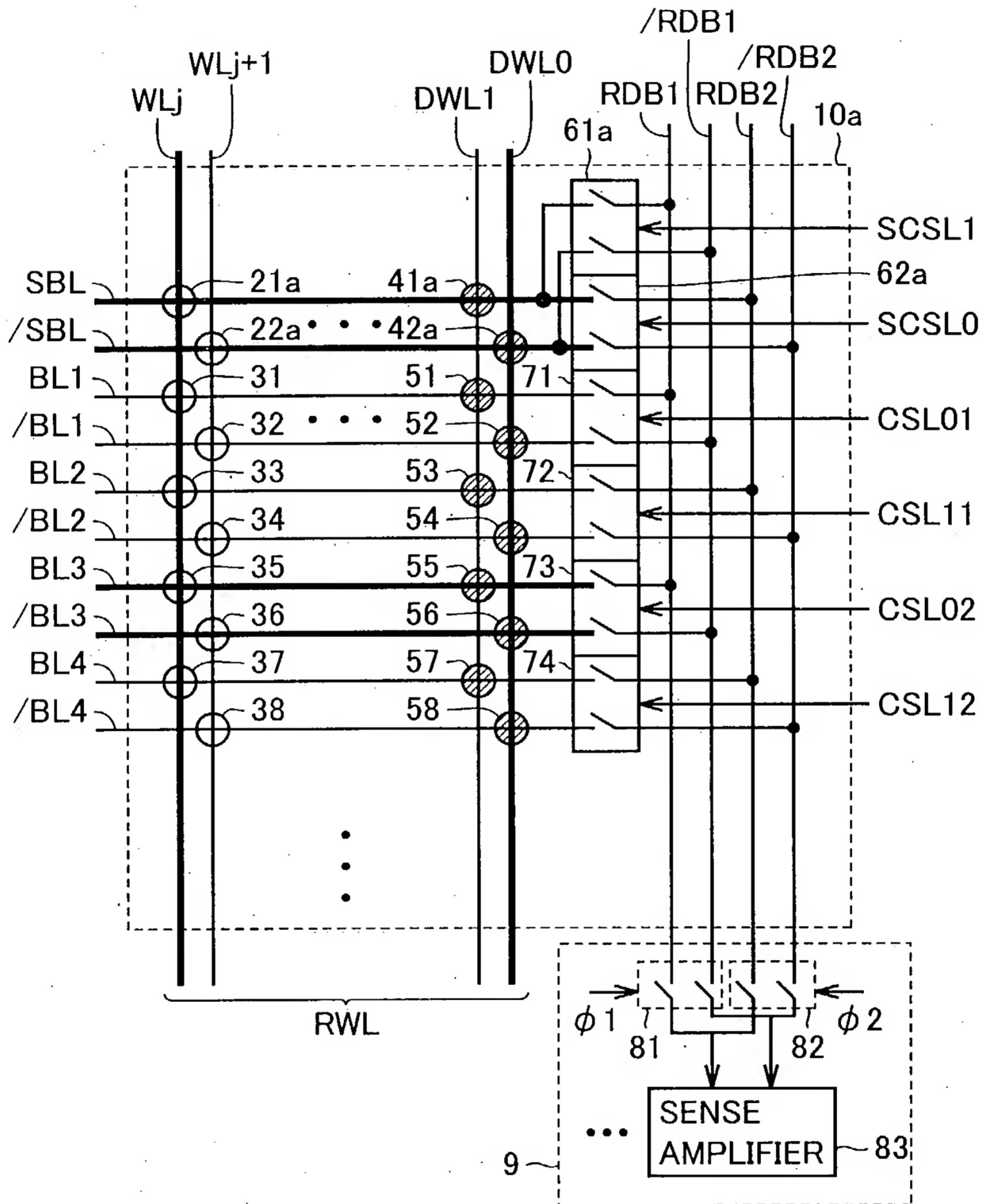


FIG.11

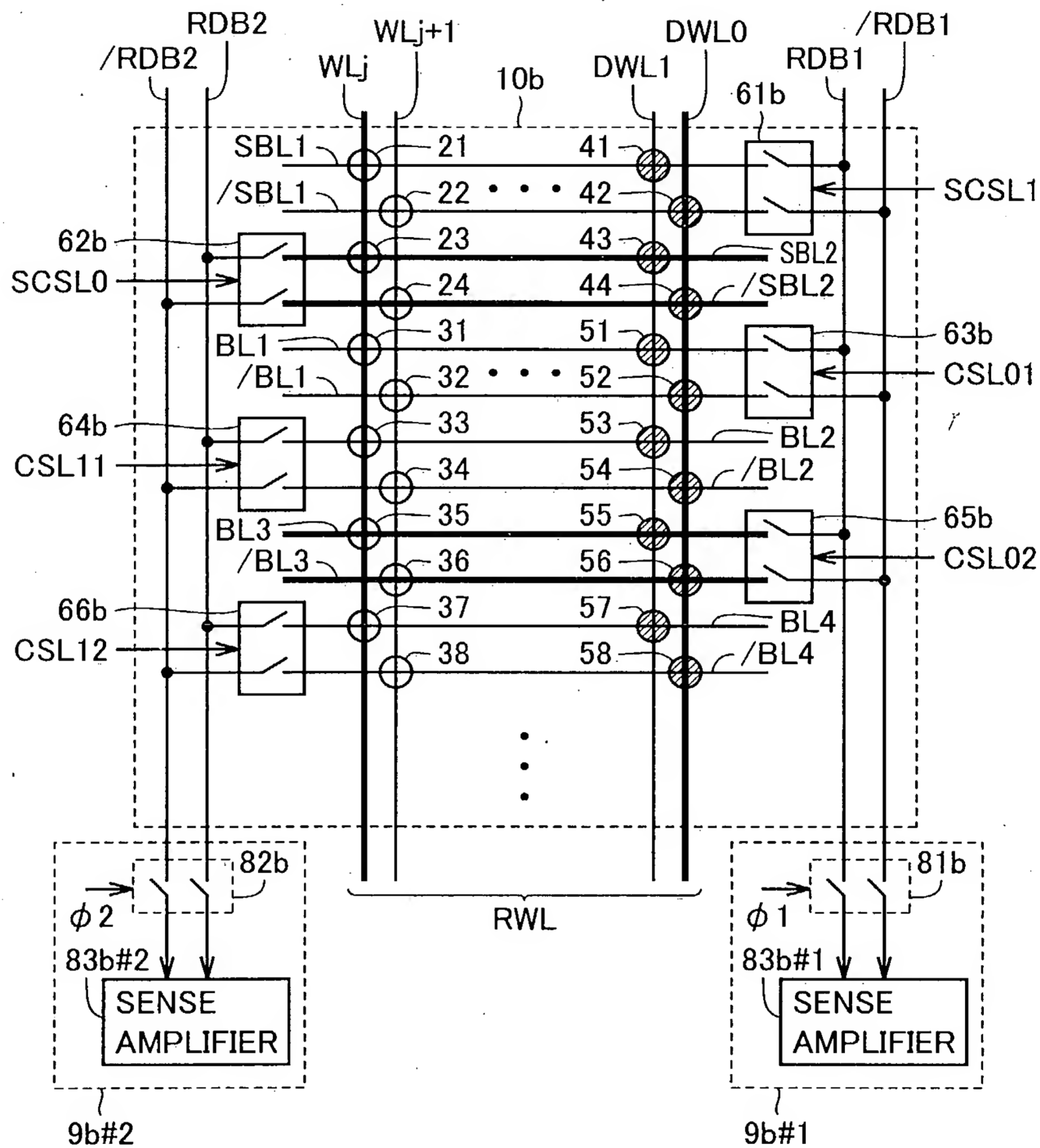


FIG.12

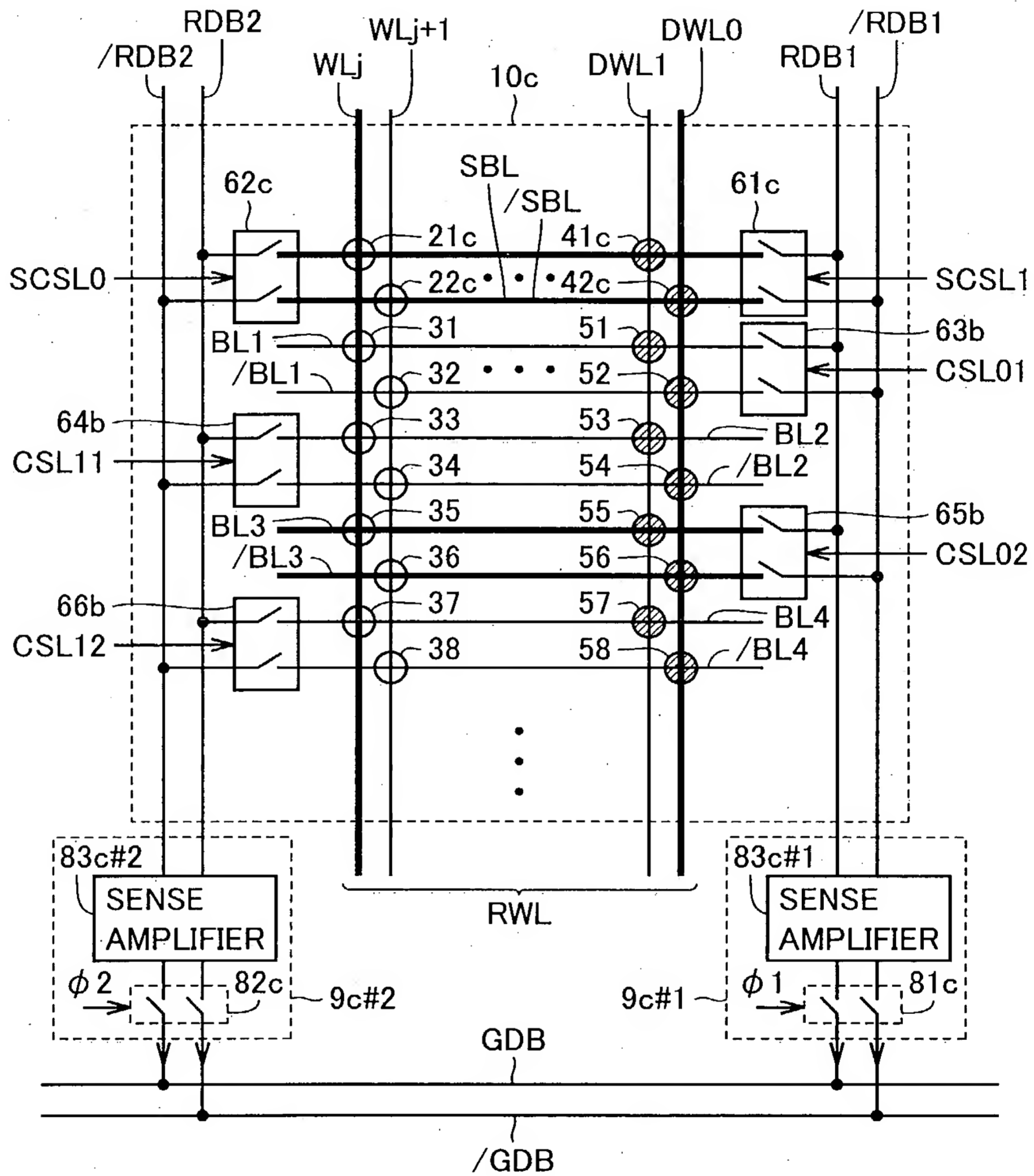


FIG. 13

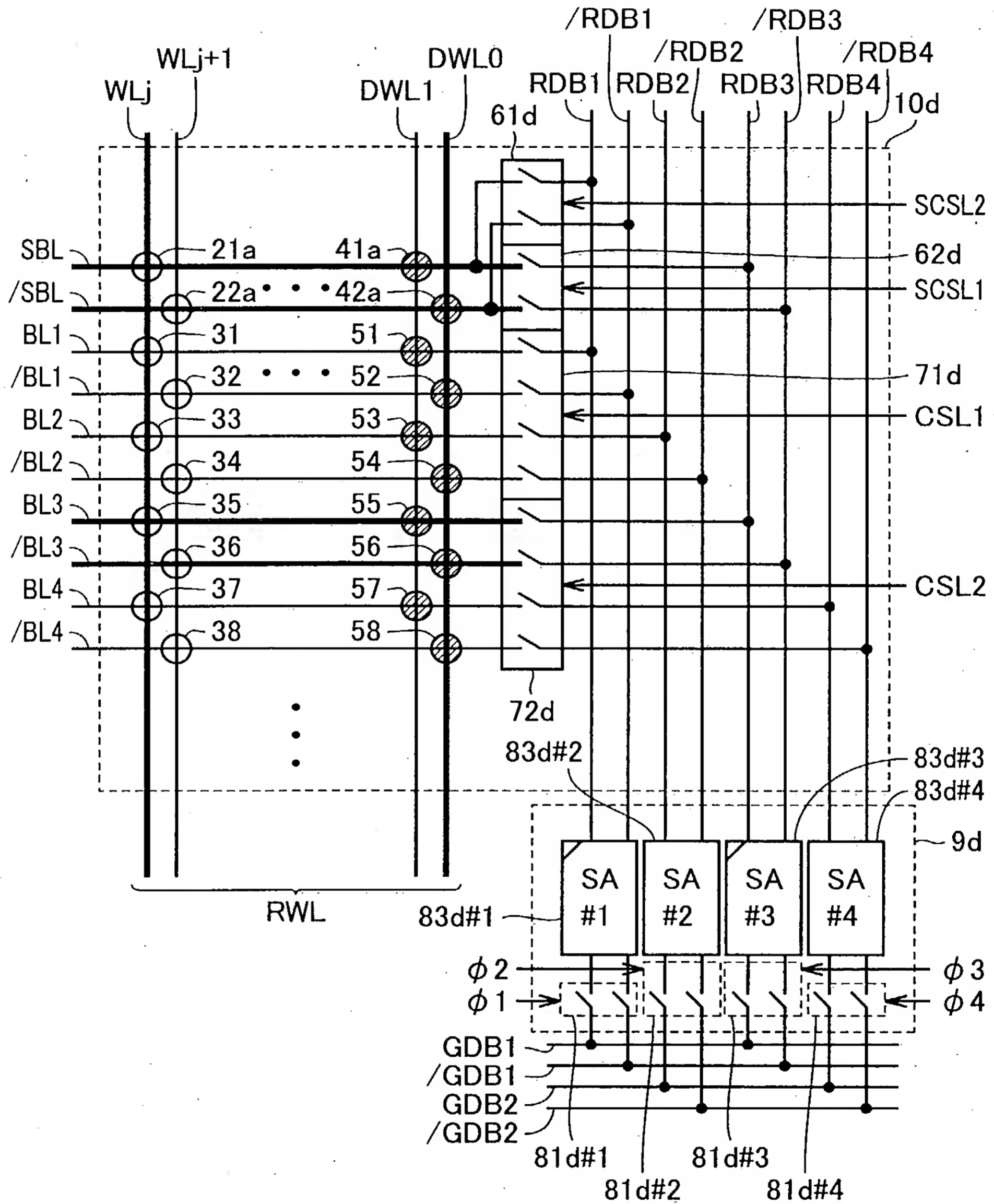


FIG.14

SELECTED COLUMN	USED DATA BUS	SELECTED SPARE COLUMN	USED DATA BUS	SPARE/NORMAL
CSL1	RDB1,/RDB1 RDB2,/RDB2	SCSL1	RDB3,/RDB3	$\phi 1 + \phi 2$ : NORMAL SELECTION $\phi 3 + \phi 2$ : SPARE SELECTION
CSL2	RDB3,/RDB3 RDB4,/RDB4	SCSL2	RDB1,/RDB1	$\phi 3 + \phi 4$ : NORMAL SELECTION $\phi 1 + \phi 4$ : SPARE SELECTION

FIG.15

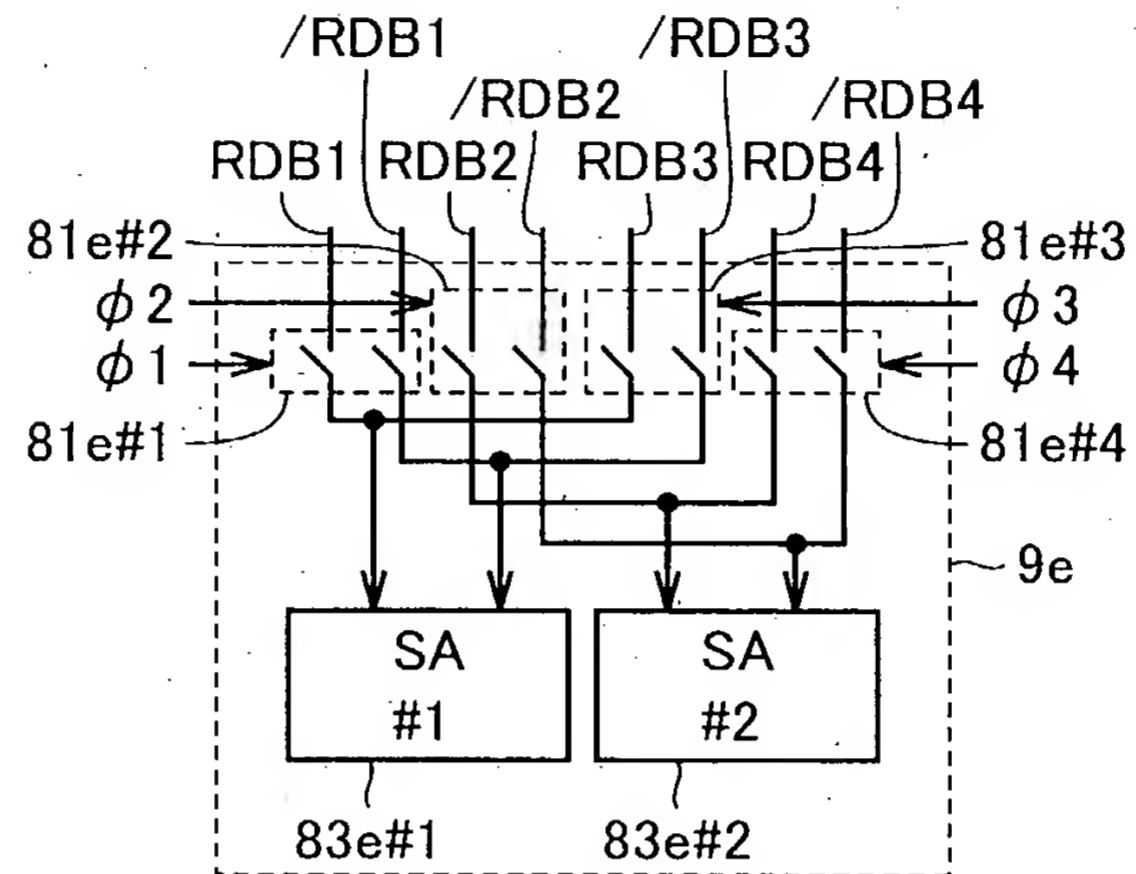


FIG.16

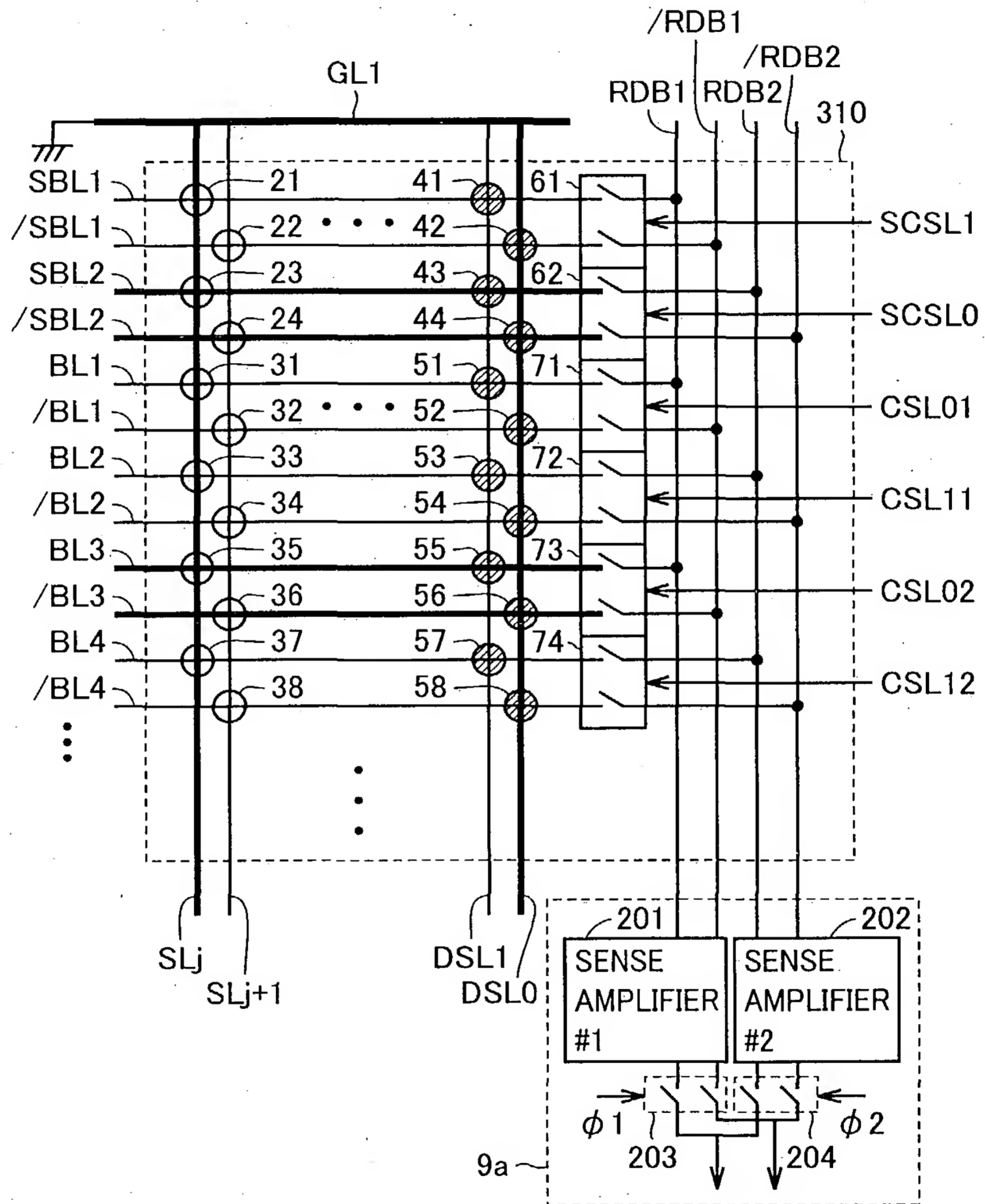


FIG.17

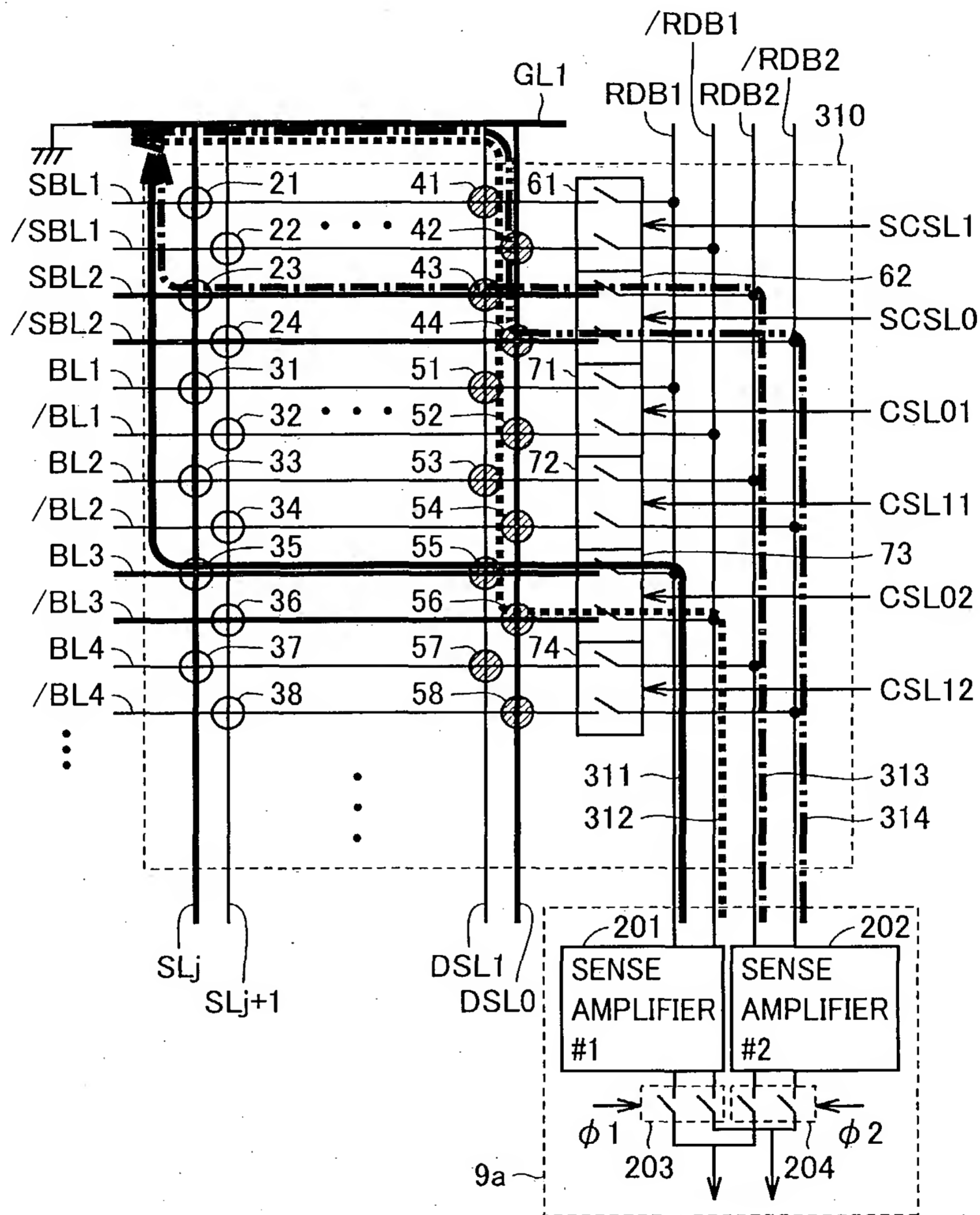


FIG. 18

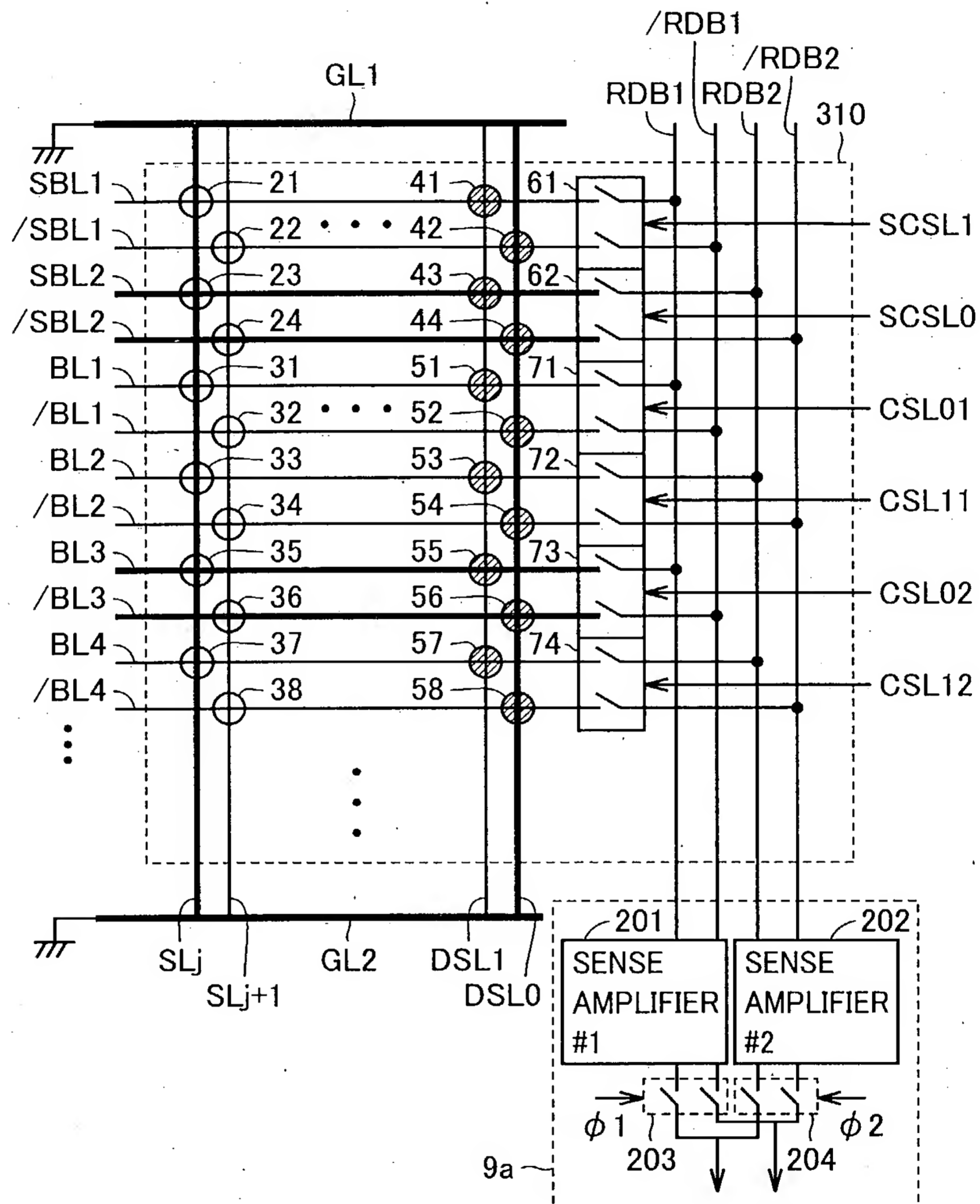


FIG.19

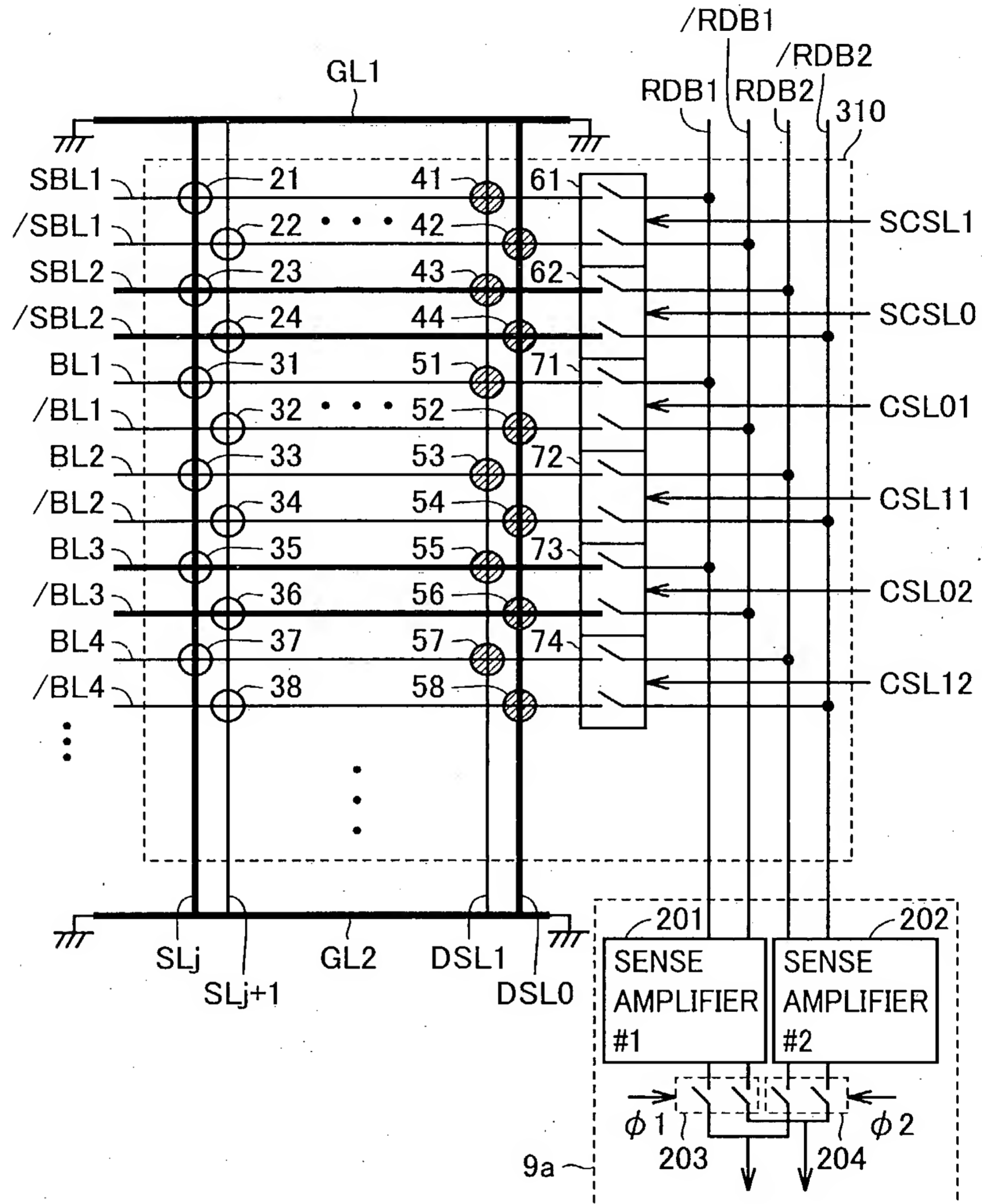


FIG.20

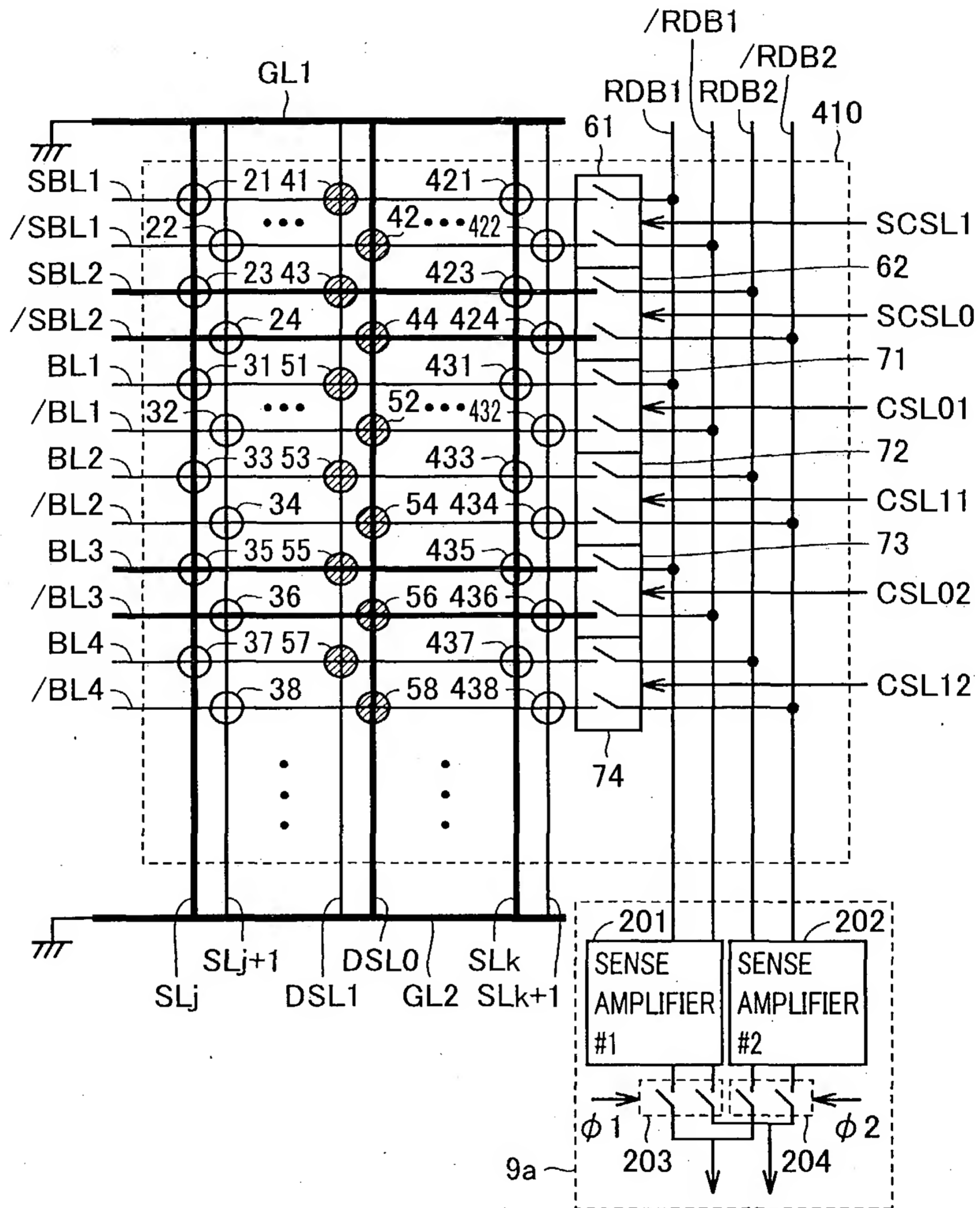


FIG.21

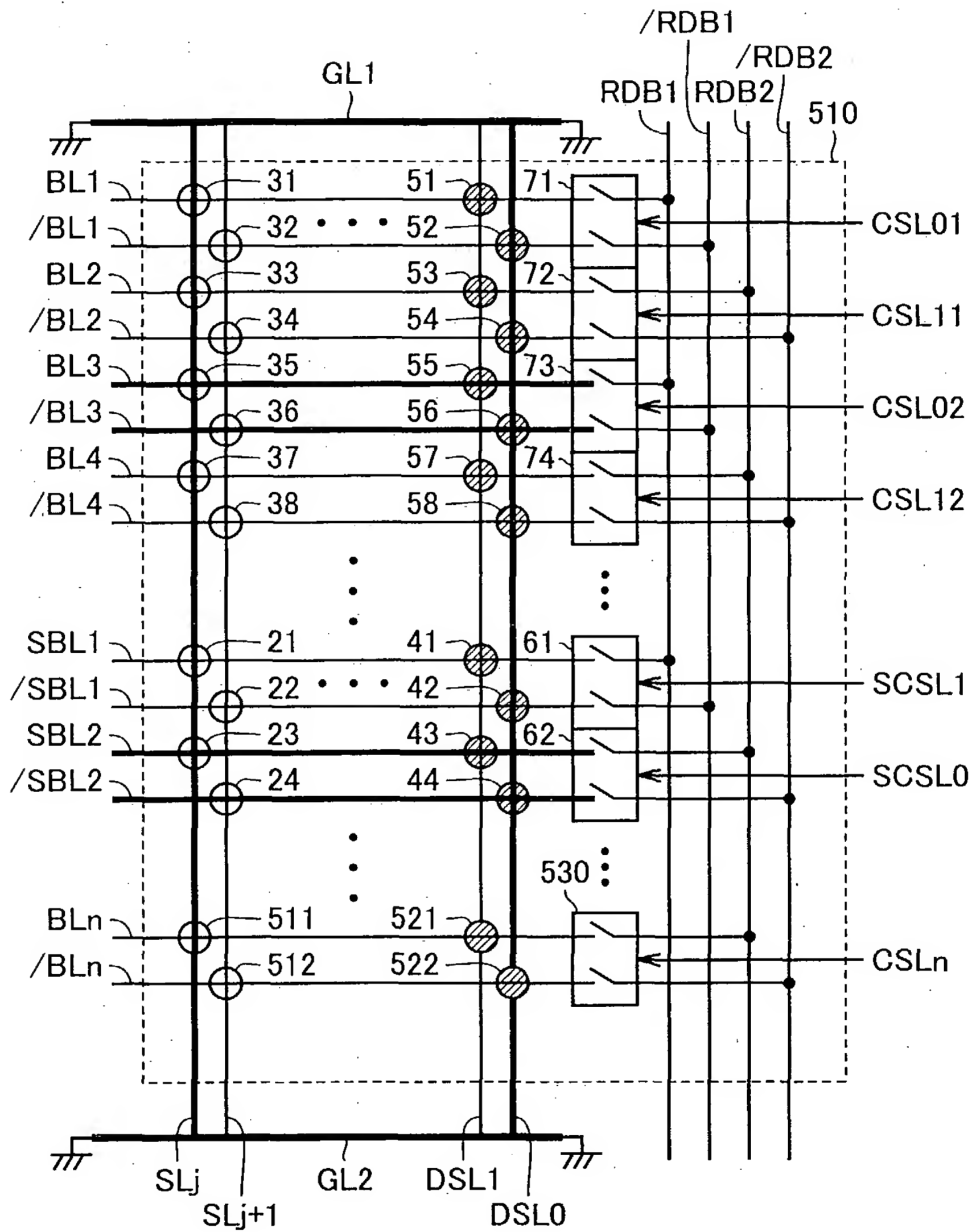


FIG.22

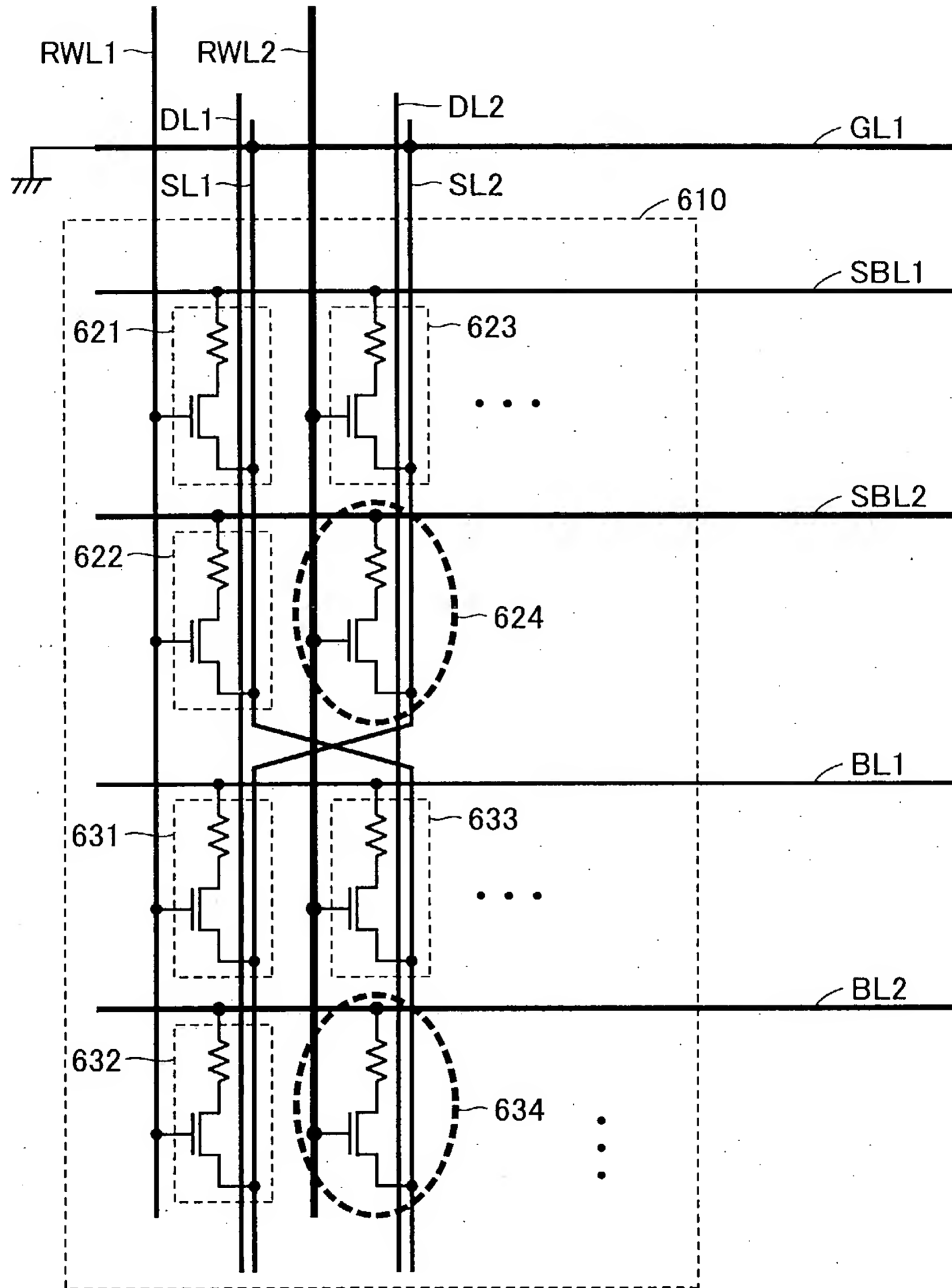


FIG.23

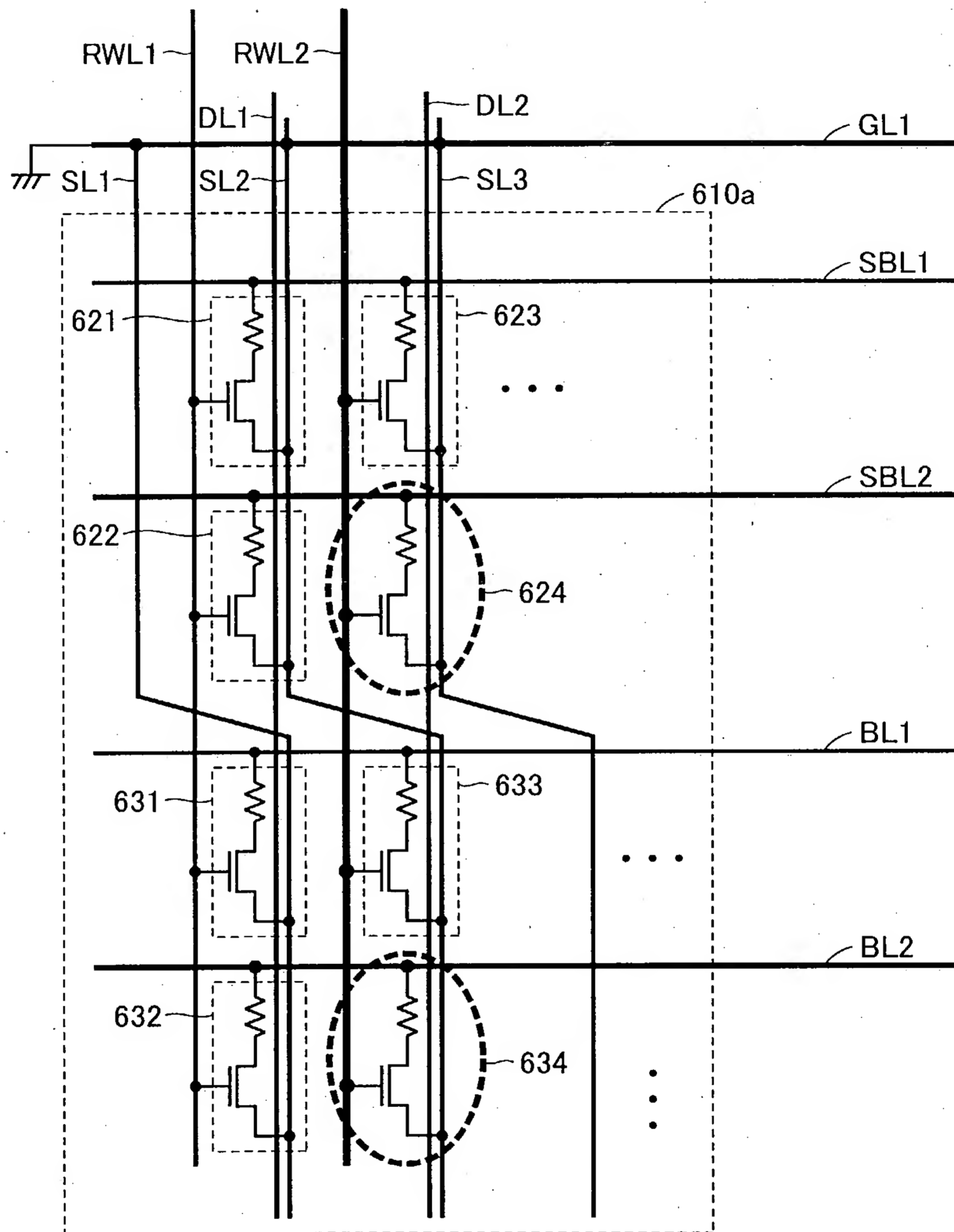


FIG.24

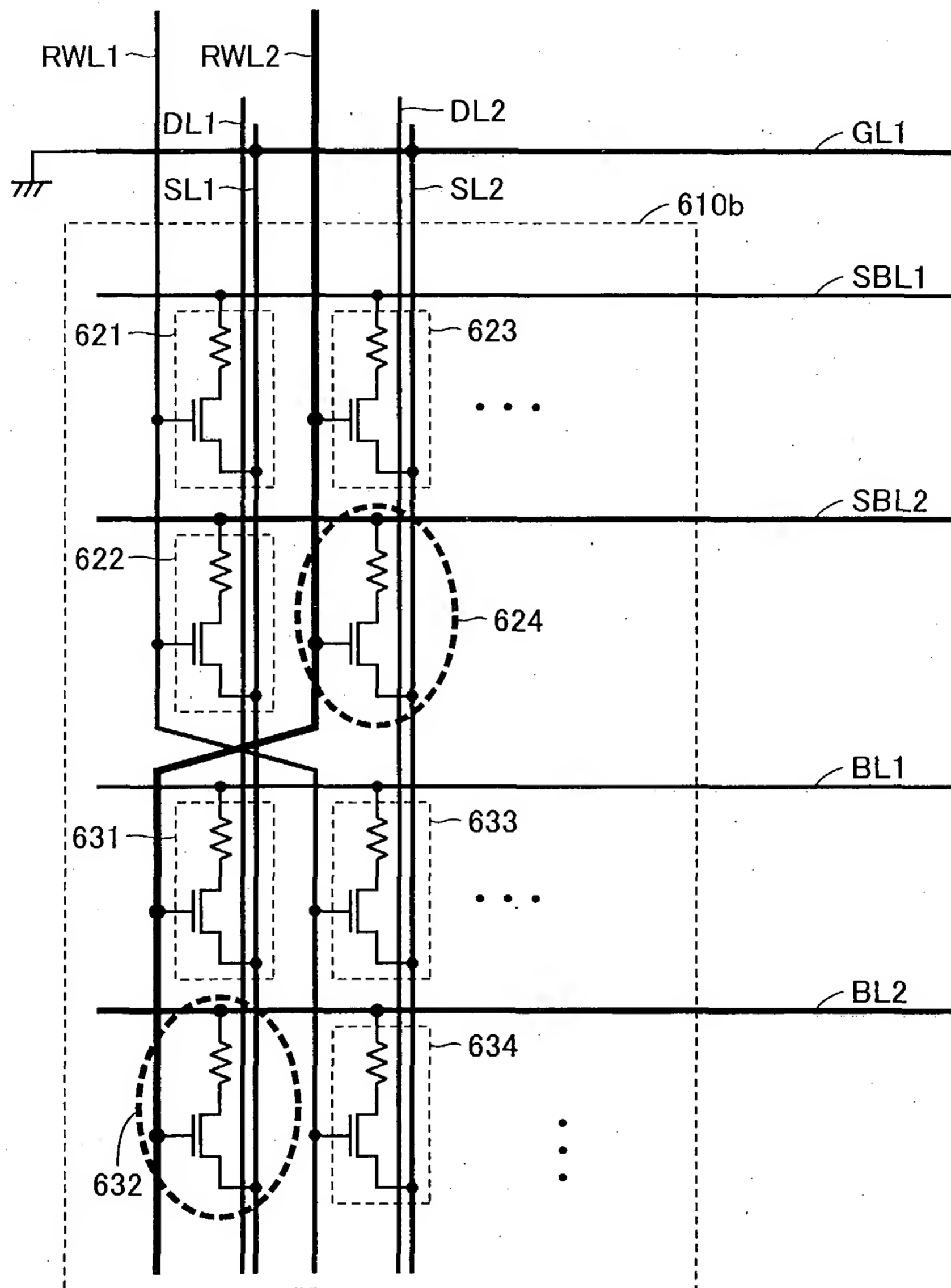


FIG.25

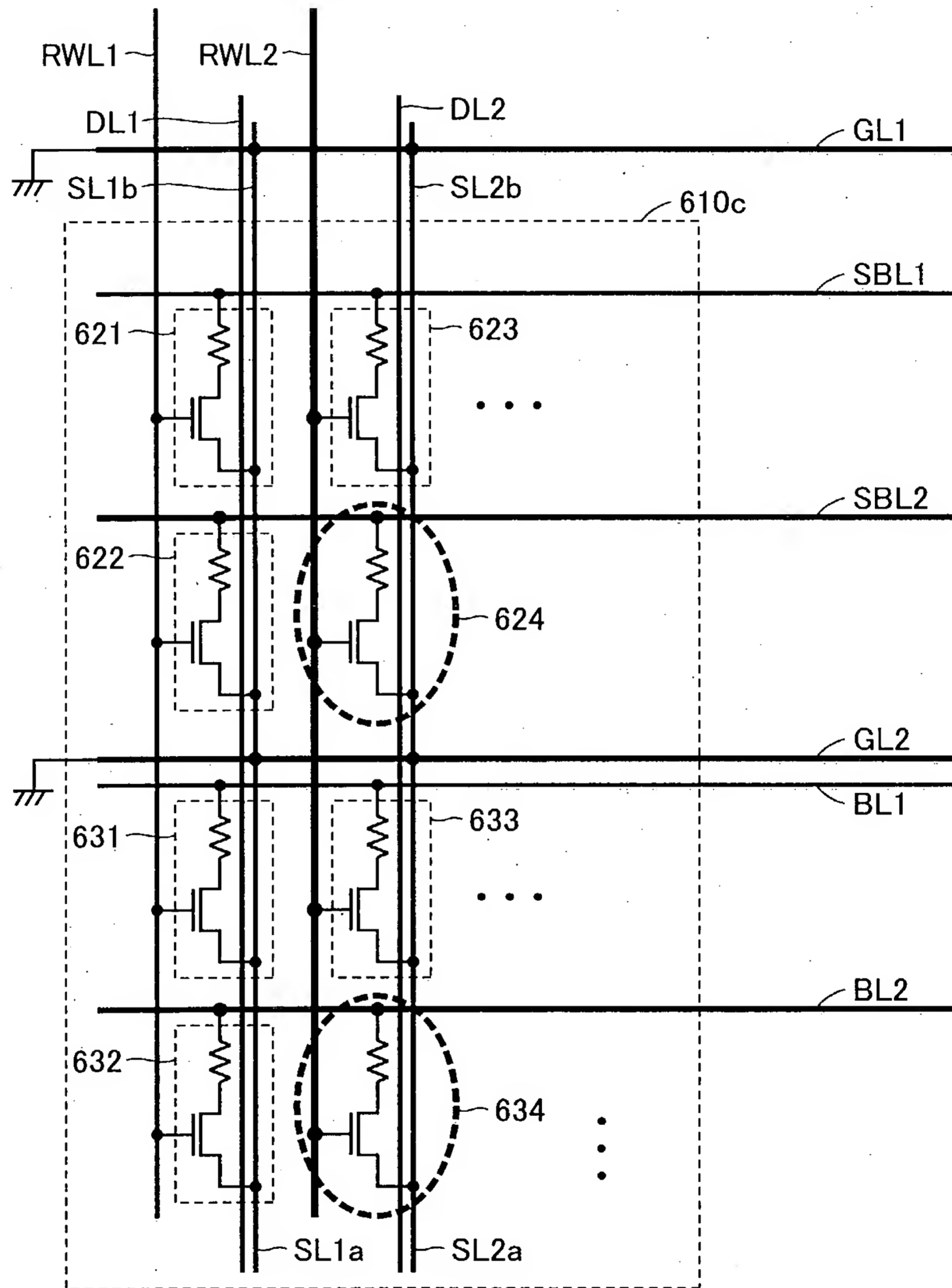


FIG.26

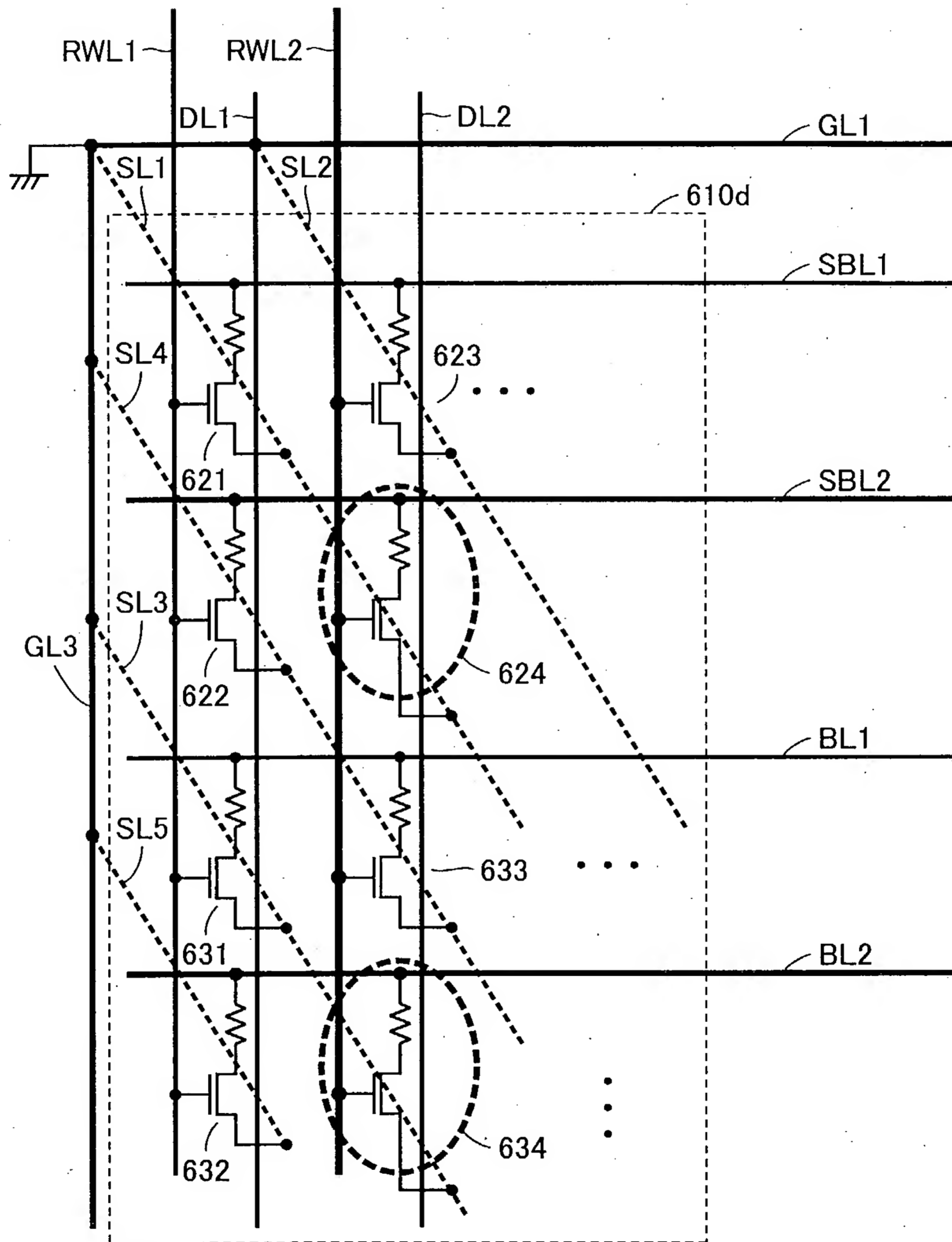


FIG.27

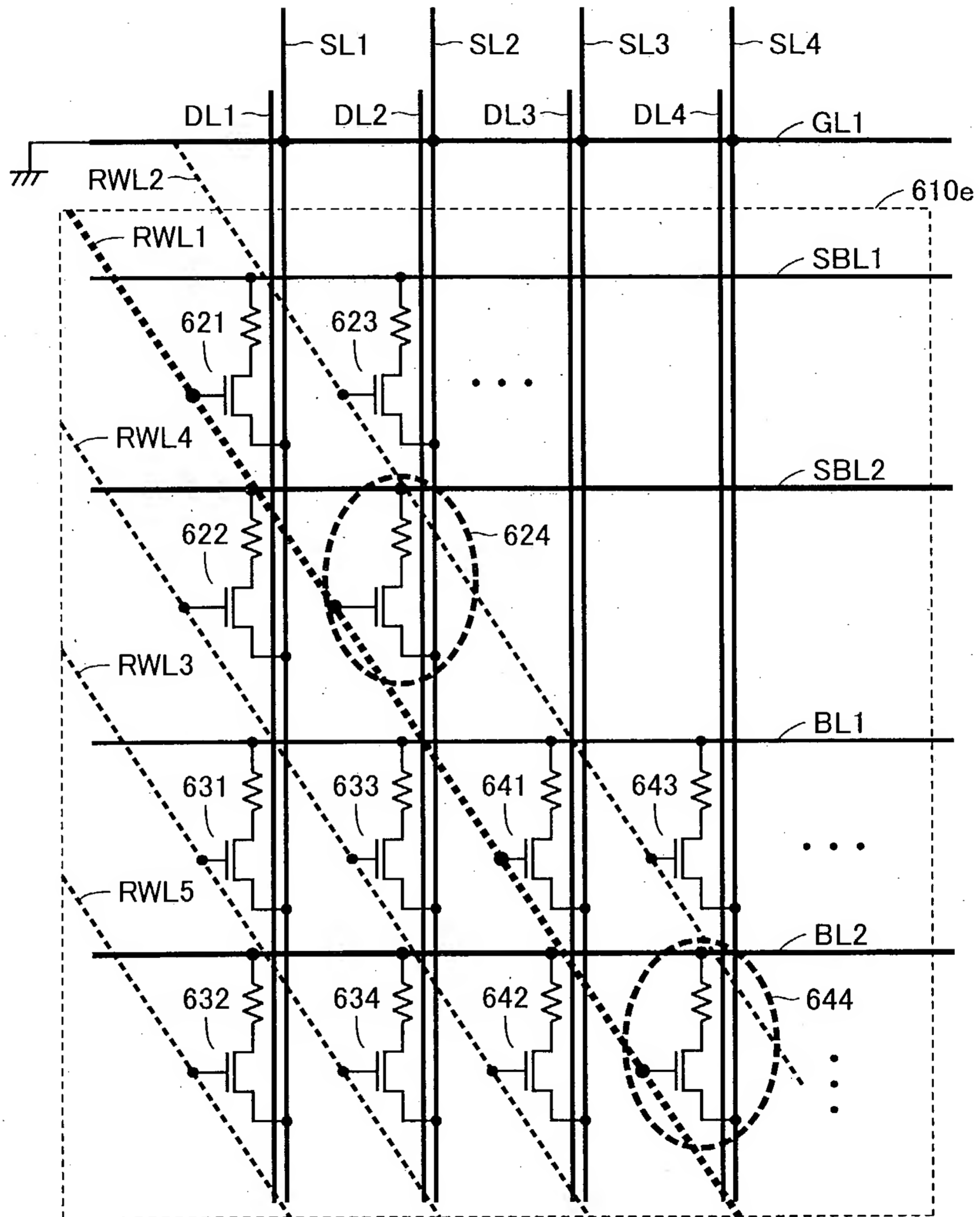


FIG.28

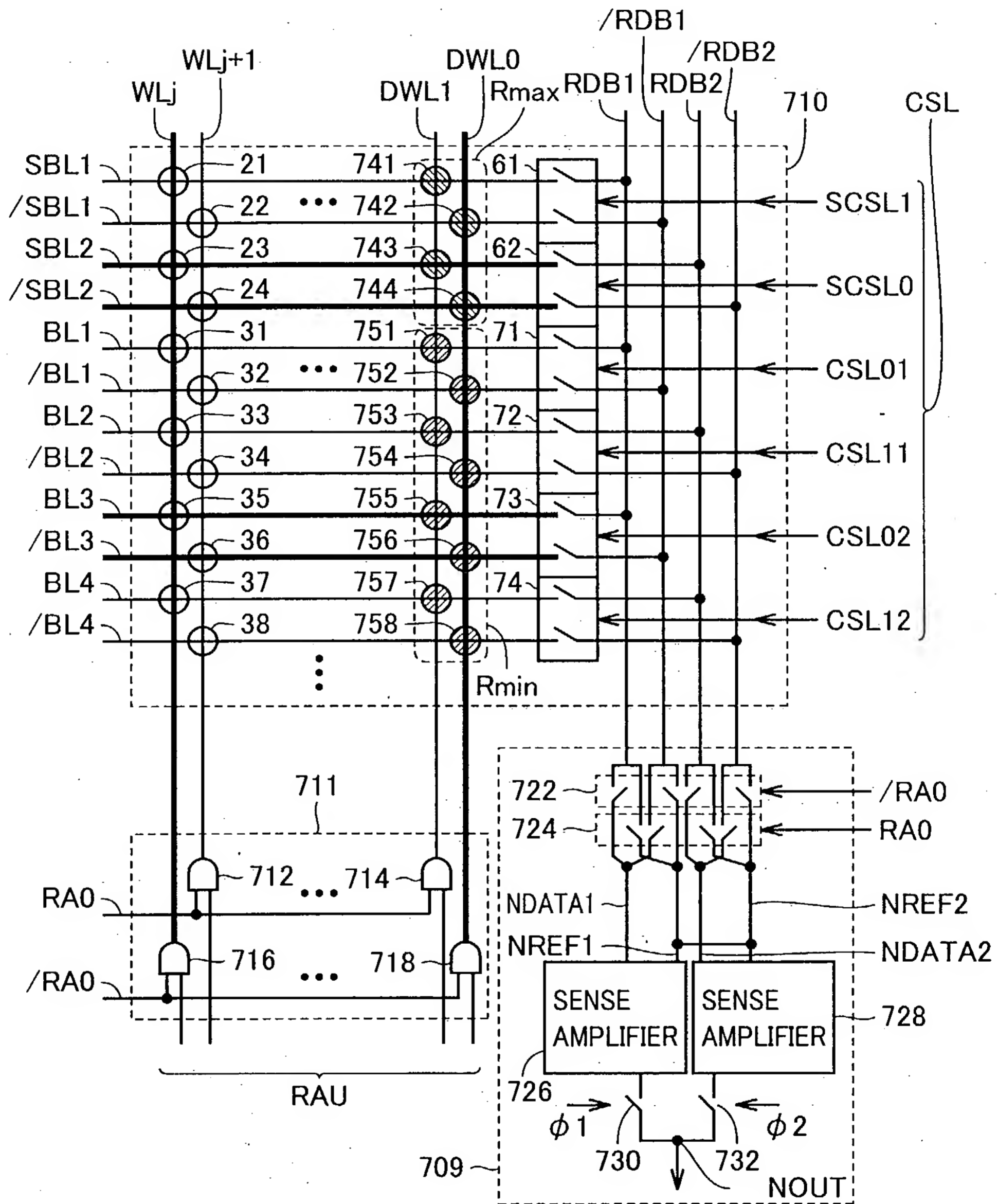


FIG.29

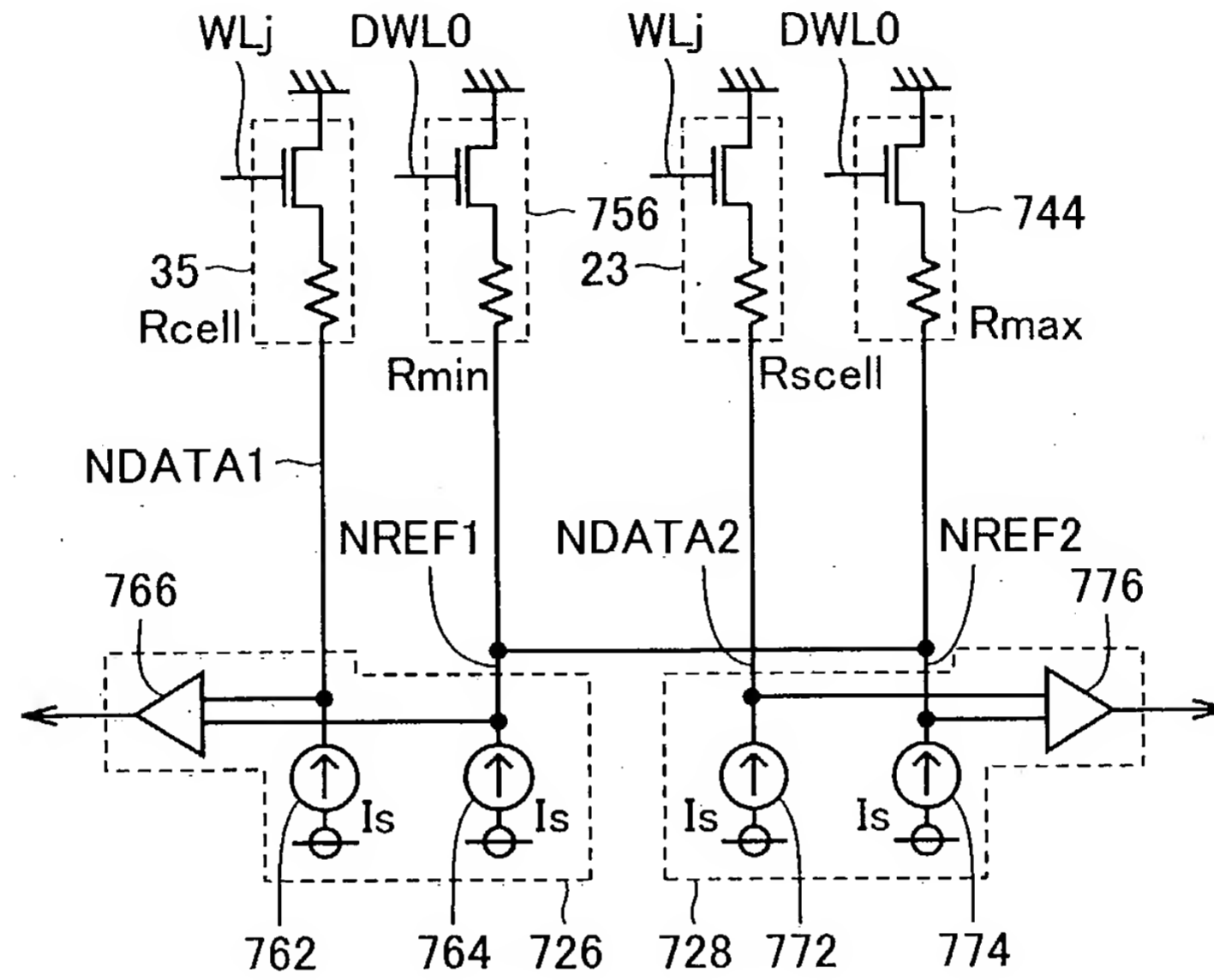


FIG.30

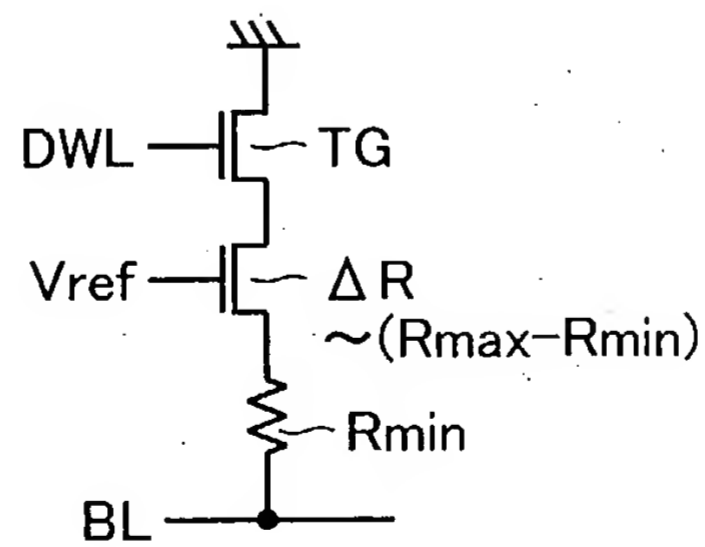


FIG.31

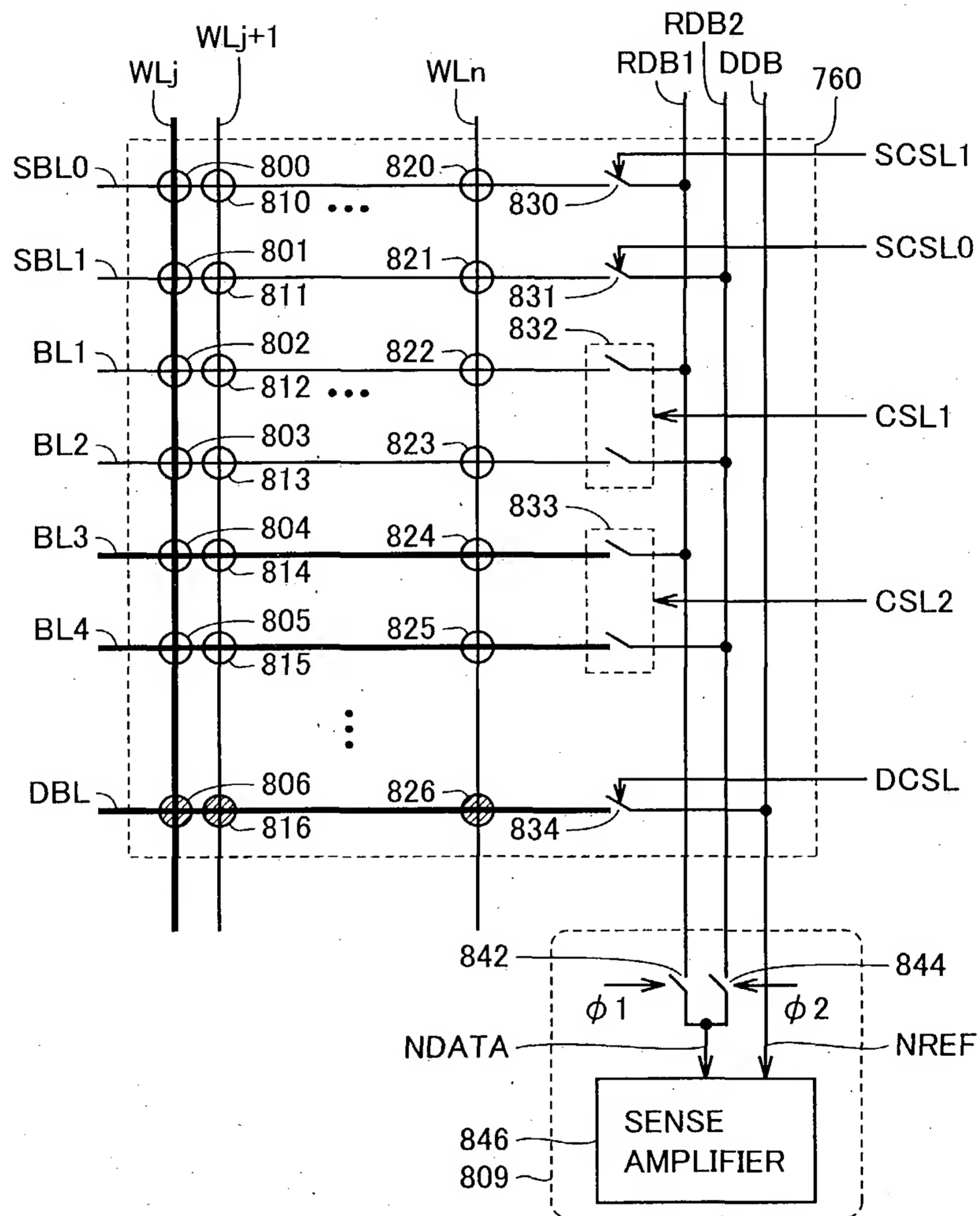


FIG.32

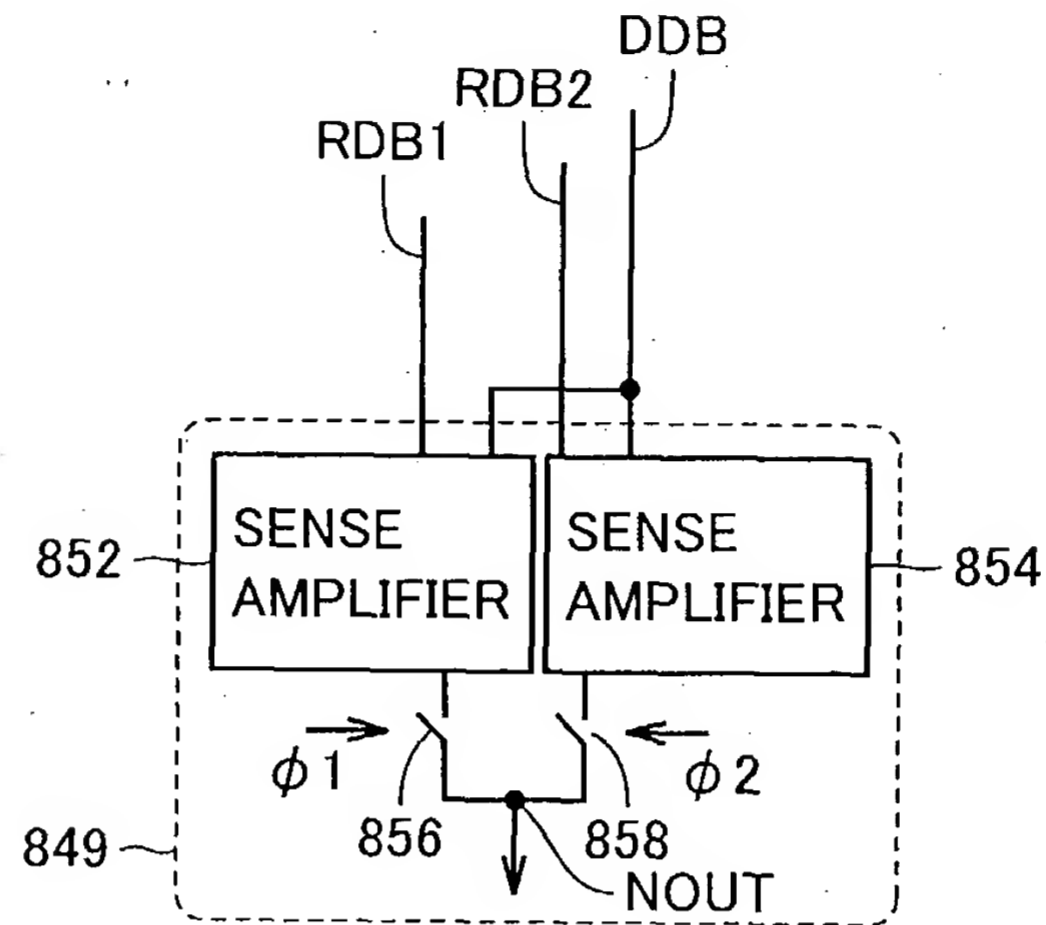


FIG.33

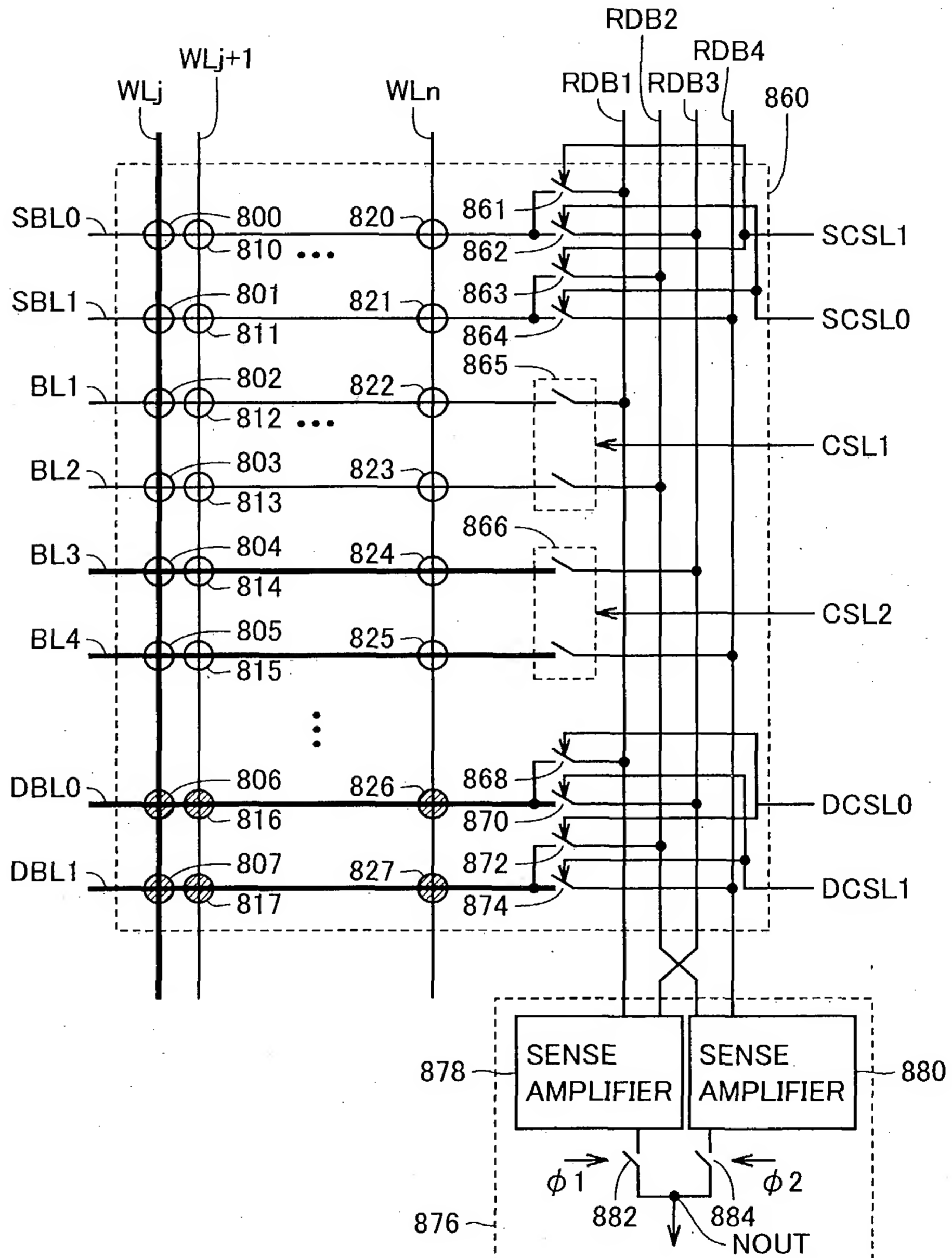


FIG.34

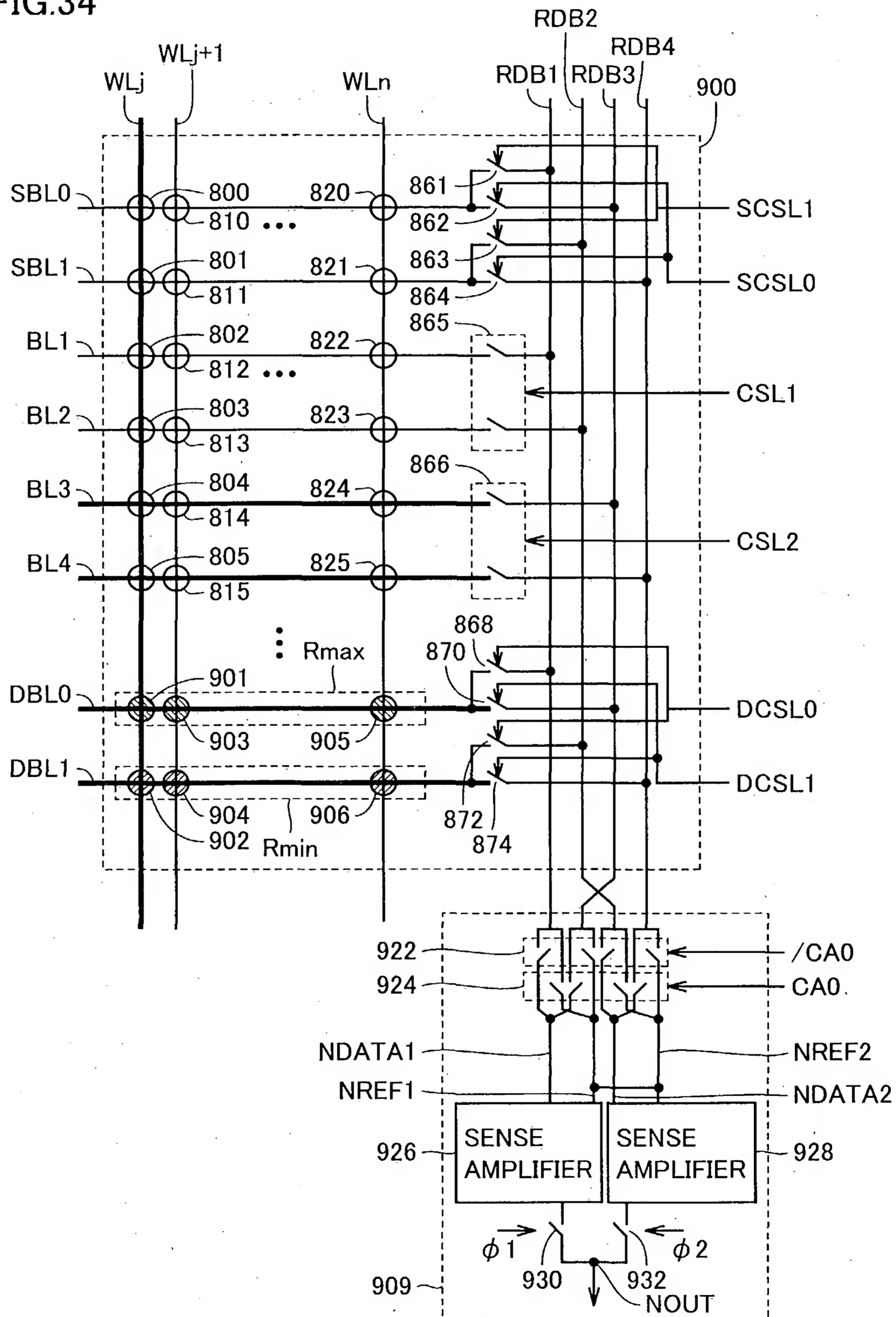


FIG.35

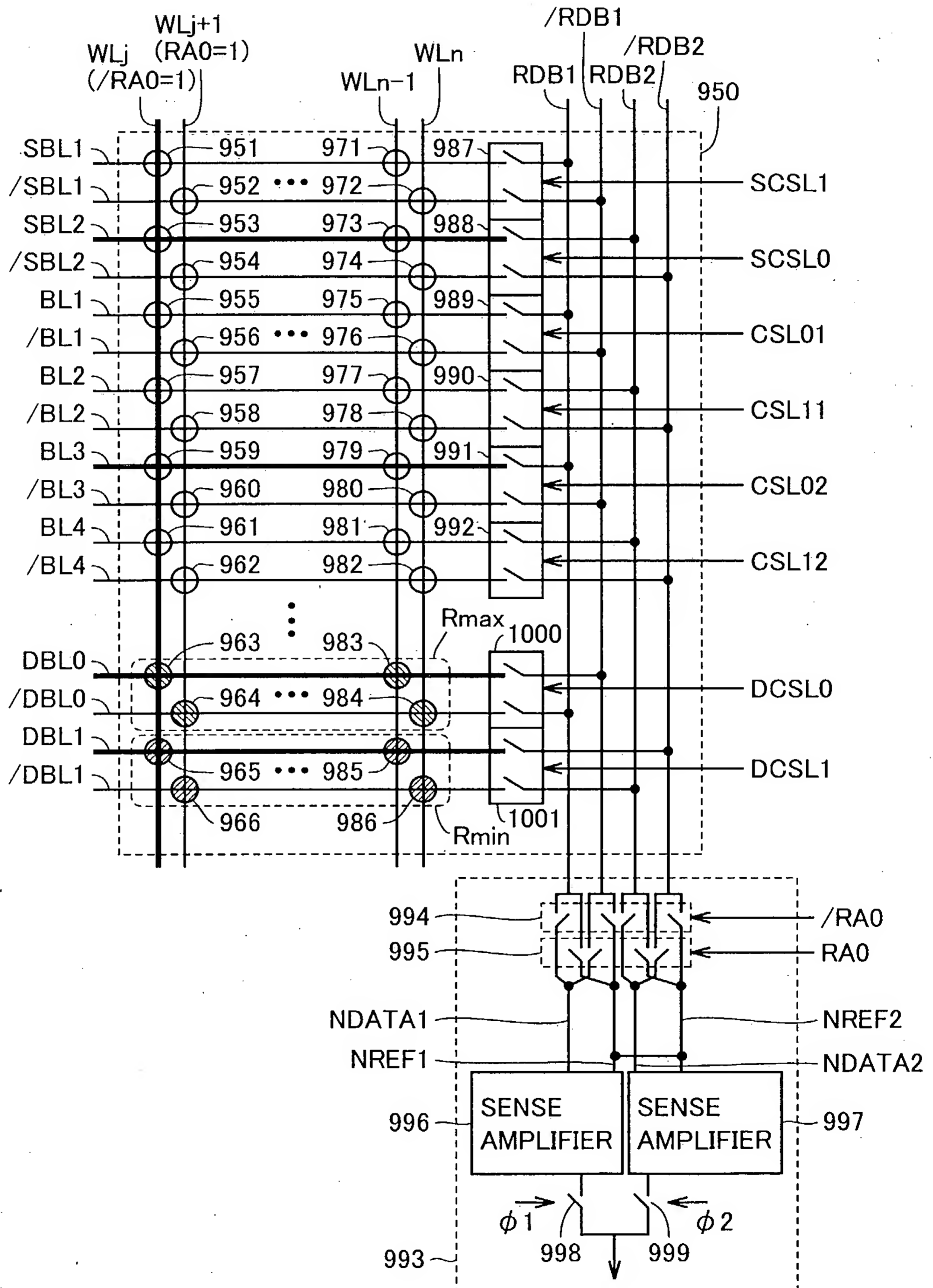


FIG.36 PRIOR ART

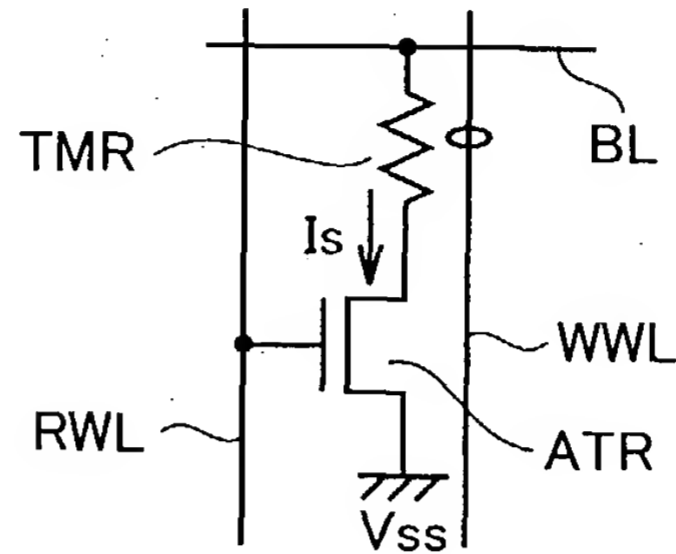


FIG.37 PRIOR ART

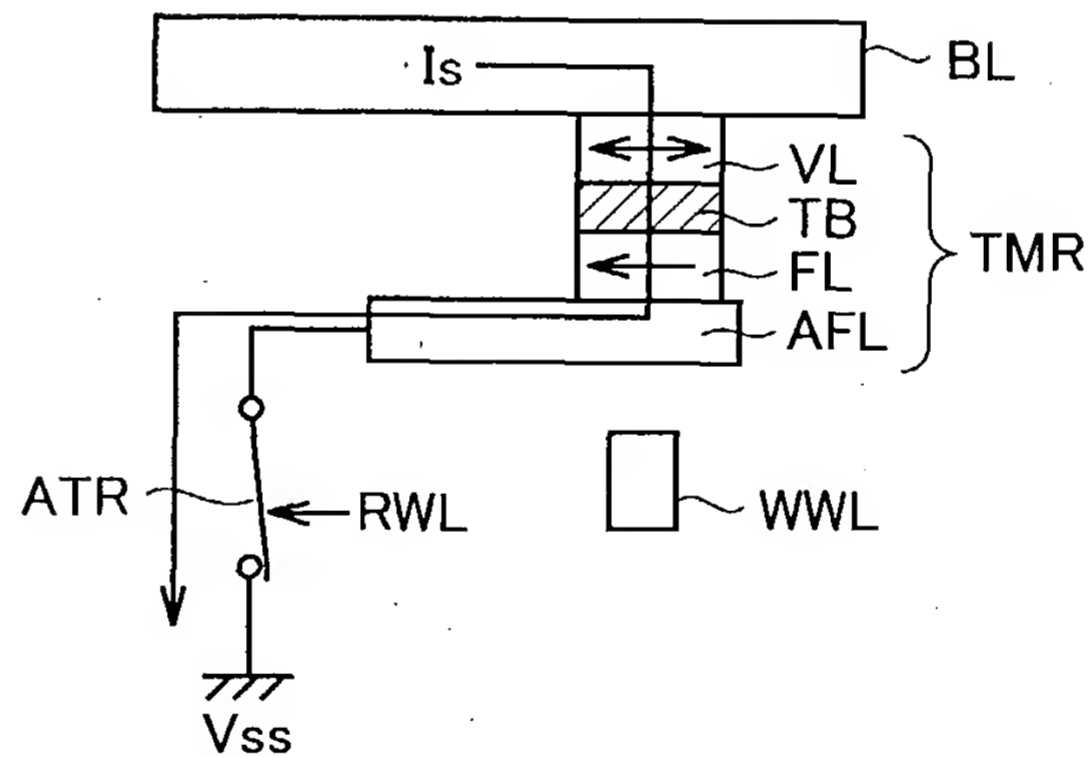


FIG.38 PRIOR ART

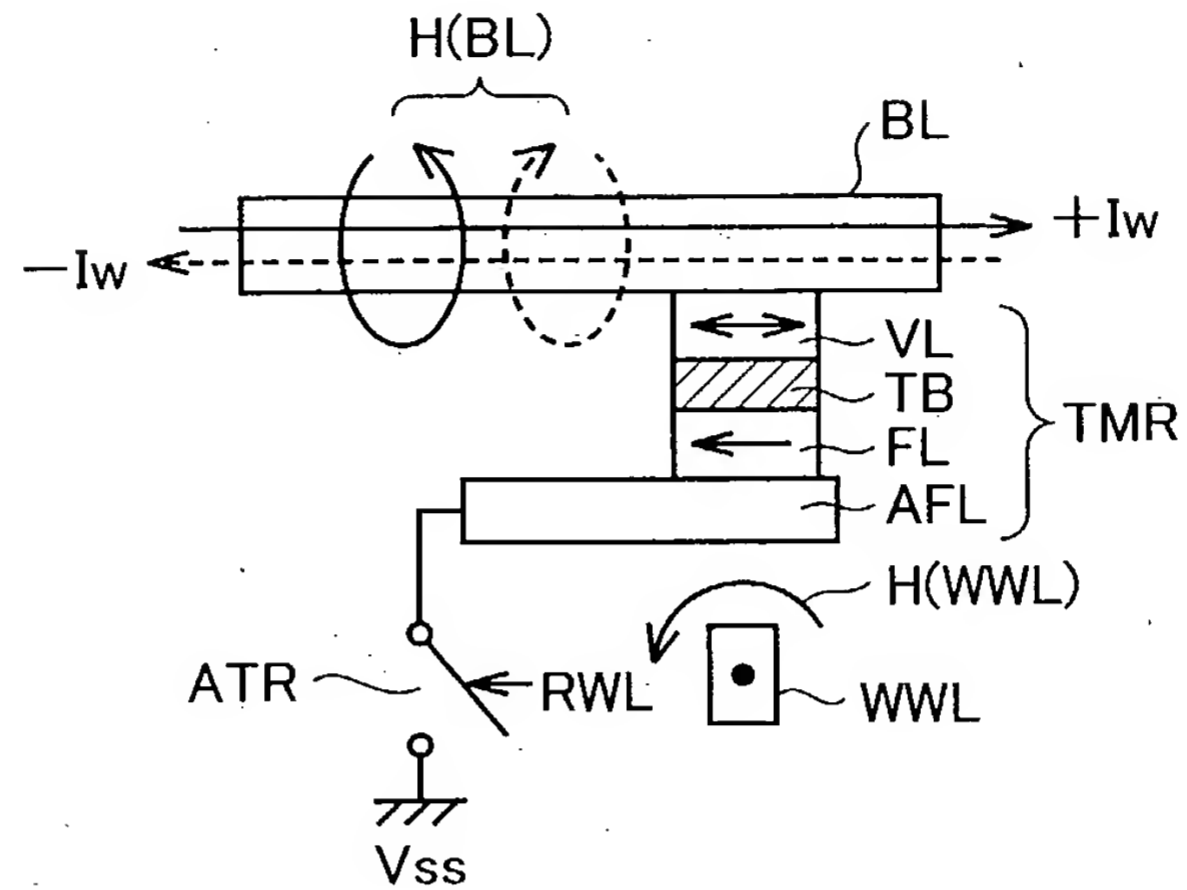


FIG.39 PRIOR ART

